

# Tiandy

## SMART IP SOLUTION

Super Starlight· Color Maker· Turbo AI· Early Warning

Lite / Pro / Ultra  
Lite Star / Color Maker  
Full / SMD / EW / Turbo AI  
Panoramic / Thermal / Laser  
PSE / N+M / Raid / Redundant

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## ABOUT Tiandy Vision For World

Founded in 2004, Tiandy Technologies is a eminent intelligent surveillance solution and service provider positioned in full color full time, ranking No.7 in the surveillance field. Tiandy integrates AI, big data, cloud computing, IoT and cameras into people-centric intelligent solutions. With more than 2,500 employees, Tiandy has over 60 branches and support centers at home and abroad.

With strong and highly-capable R&D team as the core of our company, we put forward the“Starlight”concept in 2015, which we applied into IPC to take sharp and colorful image in static scene of 0.002 Lux. Then we improved the“Super Starlight”cameras with exclusive TVP algorithm to capture image in the static scene of 0.0004 Lux in 2017 and then in the dynamic scene of 0.0004 Lux in 2018 when we completely launch the Star device line that consists IPC, PTZ and Panoramic series. Now, with user-friendly self-developed GUI,“Easy7”VMS and“EasyLive”mobile APP, we offer cost-efficient products and project-based products including 2MP to 16MP camera, 4X to 63X PTZ camera and 5ch to 320ch NVR, supporting milestone and patriot. Fortified by our advanced SMT production line and strict quality control system, we are able to provide 8 million pieces of IPCs with lower than 0.1% defect rate per year. With all these efforts, we are awarded national famous brand. Besides, we are certified CMMI5, draft 25 industrial standards, enjoy ONVIF full membership and acquire over 500 product design patents and software copyrights.

We pursue high-quality products and develop various industry solutions, ranging from intelligent neighbourhood, intelligent traffic system, intelligent education, financial system, to water resource engineering etc. Now, our customers are over 60 countries and our products and services are applied in over 500 smart cities as well as in Davos Forum, London Heathrow Airport and the World Cup in Brazil etc.. We focus on developing a reliable cooperation platform to our partners and promise our customers a safe smart life with the mission of“Vision for World”. Whatever the requirements, Tiandy will always be able to find a way to meet your needs.

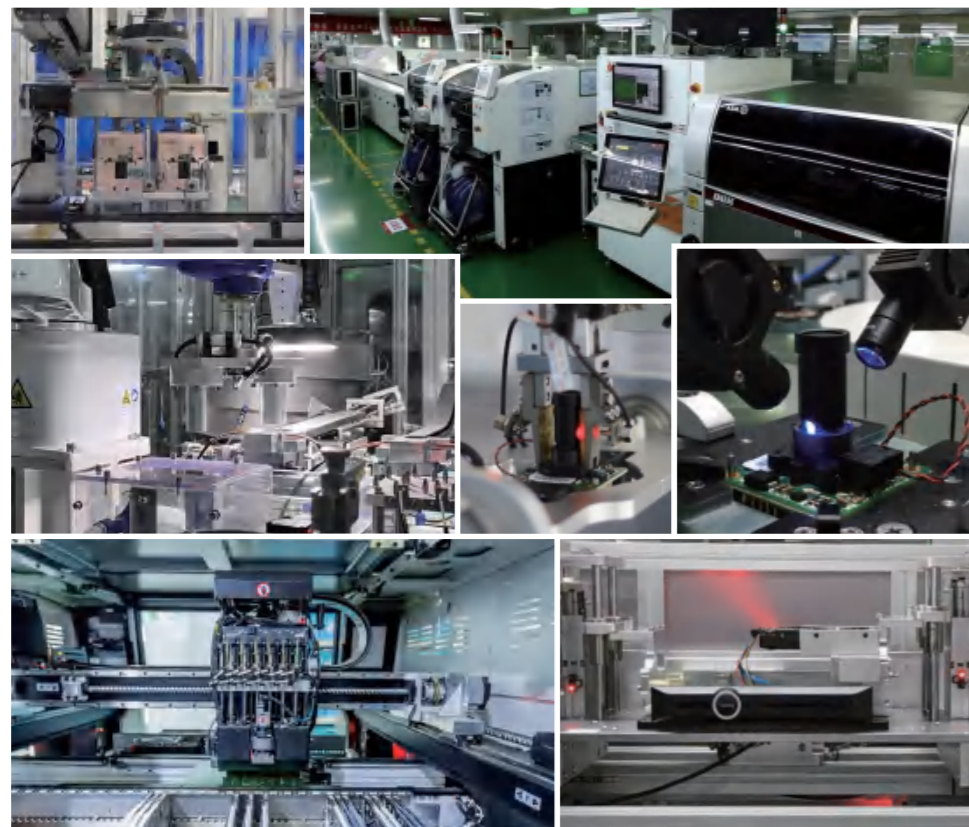


# 2022 WORLD SECURITY TOP50 BY A&S MAGAZINE



# INTELLIGENT ENGINE INTELLIGENT MANUFACTURING UPGRADE

——Tiandy intelligent security industrialization base



Intelligent manufacturing is a new engine for the transformation and upgrading of Tiandy Technologies Co., Ltd to improve quality and efficiency. In 2017, Tiandy built the largest intelligent security industry base in North China, and in the past five years, Tiandy has continued to improve the input of intelligent manufacturing, adding automated production lines every year to achieve a daily output of 20,000 units.

Tiandy closely adheres to the theme of "full quality", firmly controls every aspect of the product life cycle, and attaches the highest degree of attention on quality issues. Through quality awareness, quality control, quality system, to achieve quality assurance. Especially in the production and manufacturing process, Tiandy has established supplier factory inspection quality standards, moved quality management forward.

## 2017

- Newly adding two new high-speed production lines
- More than 12 million solder joints per day
- Newly adding automatic burning and writing production line

## 2019

- Newly adding automatic sub-plate, laser X-ray and other sets of production and testing equipment

## 2021

- A new high-speed production line was added, with an average of more than 19 million solder joints per day
- The fully automatic debugging station of new S3E camera was added, and the per capita production capacity was increased by 3 times
- Newly added semi-automated production line for servers, doubling the per capita production capacity

## 2018

- Newly adding one more high-speed production line
- More than 15 million solder joints per day

## 2020

- Bring in AGV automated handling
- A new fully automated line of bolts was added, with an average daily production capacity of 4,800 units per single line

## IN 2022

- Newly added fully automated line of dome camera achieving an average daily production capacity of 4800 units per single line.

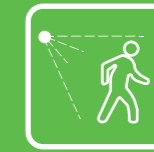
# TECHNOLOGY HIGHLIGHTS



**Color Maker**  
24 hours Full Color



**Turbo AI**  
AI Popularizer  
16 kinds of VCA



**AEW**  
Auto-tracking  
Early Warning



**Super Starlight**  
Color: 0.0004Lux



**TVP<sup>®</sup>**  
Transcendent Video  
Processing



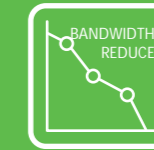
**Plugin Free**  
No ActiveX



**VMS**  
2,000 channels  
management



**Panoramic**  
Panoramic Camera  
PTZ Camera



**S+265**  
Save 90% Storage



**Face Capture**  
High Capture  
Accuracy Rate



**Face Recognition**  
High Accuracy Full Solution



**Human/Vehicle  
Classification**  
Less False Alarm

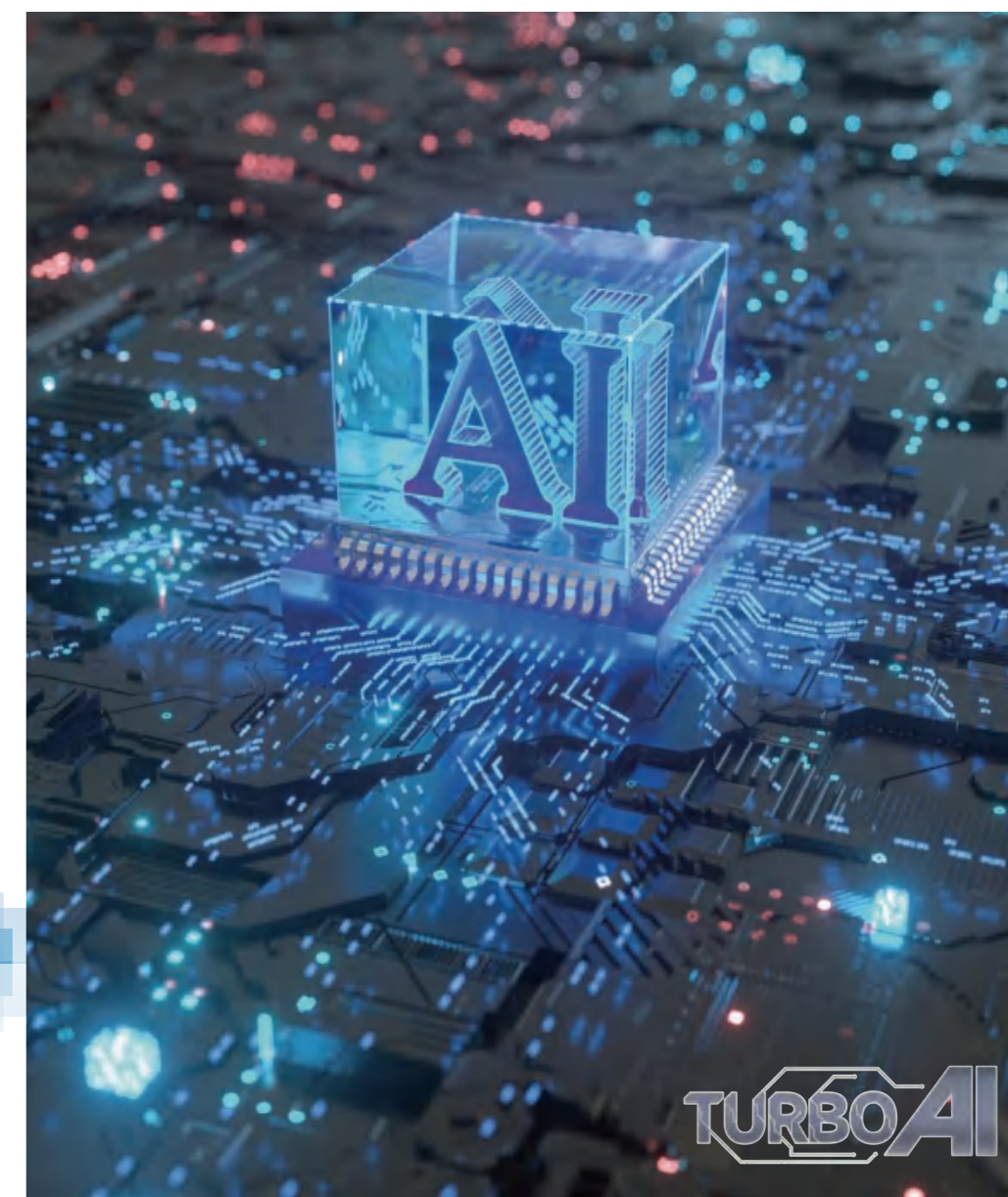
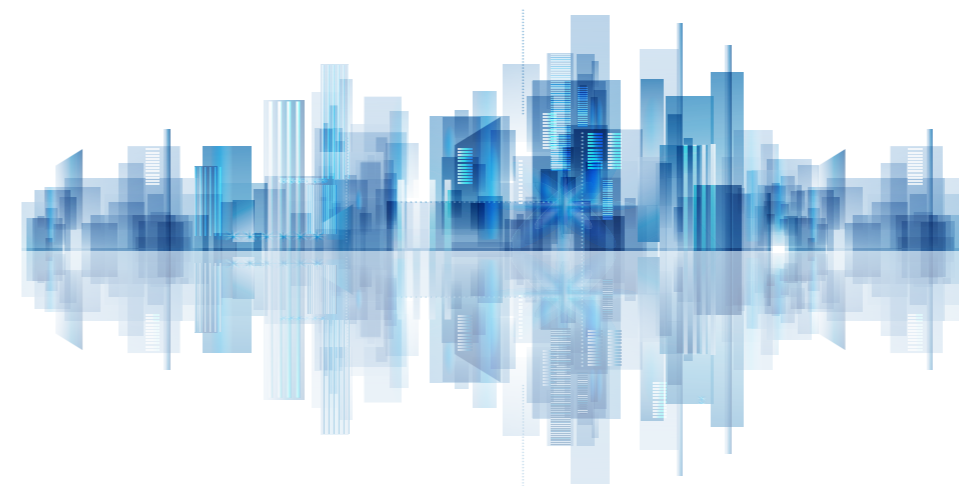
## COLOR MAKER

Combined with large aperture and large sensor, Tiandy Color Maker technology enables camera to obtain large amount of light in low light environment. Even at totally dark nights, cameras equipped with Color Maker technology can capture vivid color image and find more details in scenes with the help of warm lights illumination. Color Maker technology makes it possible for camera to achieve the goal of 24hr full-color.



## TURBO AI

Tiandy dedicates itself to popularizing AI intelligent functions. Tiandy Pro series cameras, all of which are equipped with AI chipsets, support face capture mode and up to 16 kinds of VCA intelligent analysis. Part of them even go further and support human/vehicle classification function based on deep learning algorithm, which improves the detection accuracy and reduces false alarm rates. AI chipset not only tremendously energizes product detection ability, but also allows information processing accelerating.



## EW EARLY WARNING

Based on AI deep learning, EWarning is the combination of light warning and audio warning, achieving the effect of prevention, mid-way intervention and post-event investigation. It can precisely differentiate vehicle from people, and warn people or vehicle respectively, thus increasing the accuracy and availability of warning compared with traditional OpenCV.



## SUPER STARLIGHT

Highly sensitive star-level sensor, in combination with time and space bilateral noise reduction technology, provides excellent image quality even in so low illumination as 0.0004 Lux without trailing.

### DEVELOPMENT OF STARLIGHT



Starlight



Super Starlight



Super Starlight2.0



Super Starlight3.0

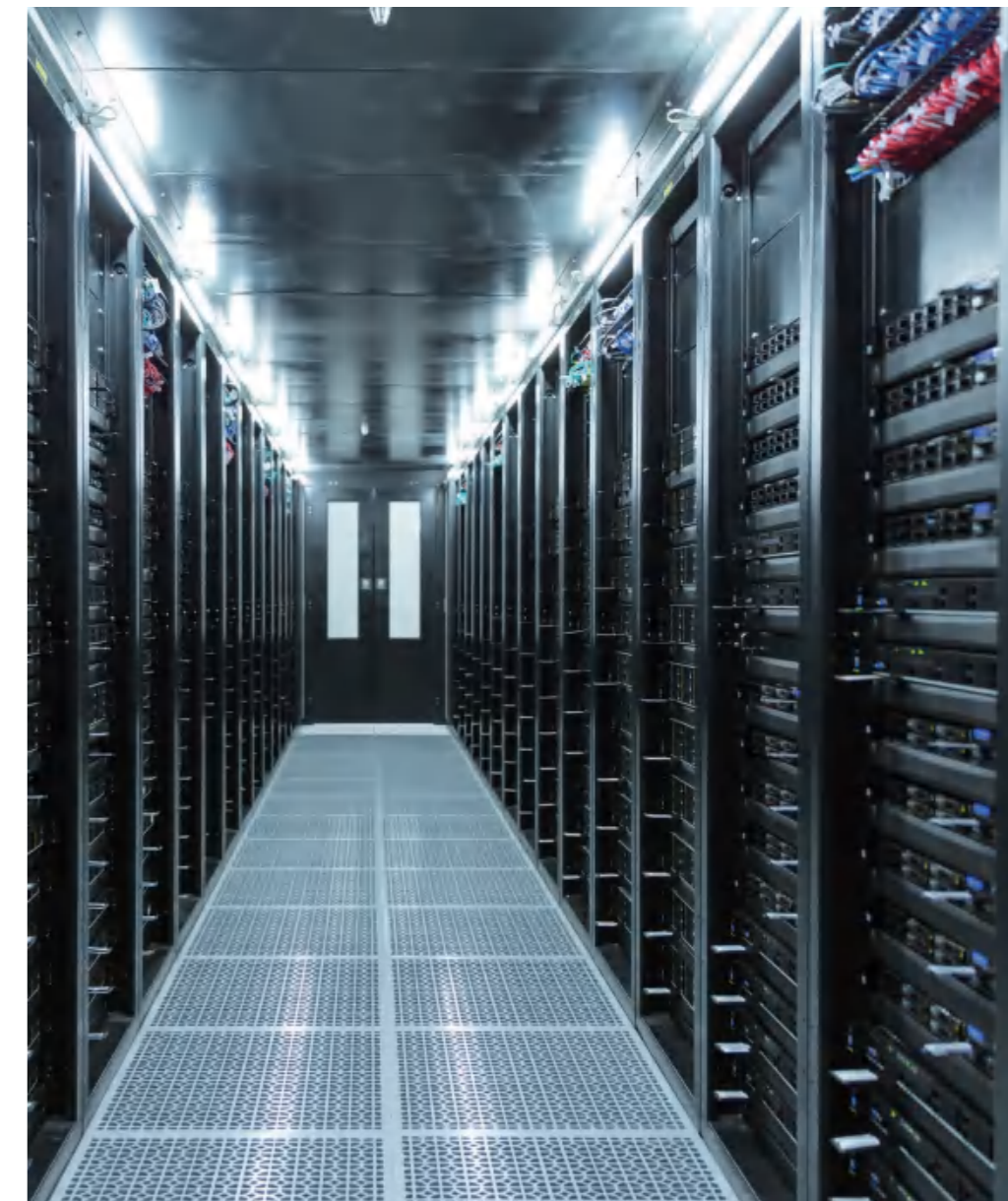
## SMD

SMD series are based on deep learning and built-in human/vehicle classification algorithm, which can accurately classify human and vehicle targets and filter out other objects, such as small animals or moving objects, to avoid false alarms. Thus, it greatly improved the accuracy of detection. As the key product of the PRO series, SMD is standard equipped with intelligent functions to take safety precautions to a new level and is widely used in homes, factories, Warehouses, Shops, Parking and so on.



## K2000

- 2,000 channels management
- Decode output for 2 screens
- Storage performance: 180channels
- 8 alarm input, 4 alarm output
- Onvif, Tiandy protocol
- Face model: access bandwidth 360M, forwarding bandwidth 400M;
- Surveillance model: access bandwidth 512 M, forwarding bandwidth 512 M;
- Built-in Easy7 CMS Function: Video Preview, Video Playback, Video Manage, Alarm Management, Electronic Map, Device Management (Middleware Serv, File Storage Server, File Adaptation Service, Map Service, NTP Timing Management, TV-Wall Layout, Encoding Device) Personnel Organization Structure, User Management, Role Management, Log Query.



# 5MP VIDEO STRUCTURE AI DUAL PTZ CAMERA

- Dual lens linkage capture
- 5MP bullet and 5MP speed dome
- Four warm lights, six IR LEDs array
- Dual speaker / Dual MIC
- Driven by deep learning algorithm
- 4T plus 1T powerful processing
- Face Capture
- Smart surveillance
- Face/Human Body/ Vehicle/Non-motor Vehicle Metadata
- Built-in GPS/BDS



# PANORAMIC LASER PTZ

## HIGHLIGHTS

- 180°panoramic view
- Up to 5520x2400@30fps
- Min. illumination Color: 0.0004Lux@F1.0
- Support region clipping
- Support distortion correction



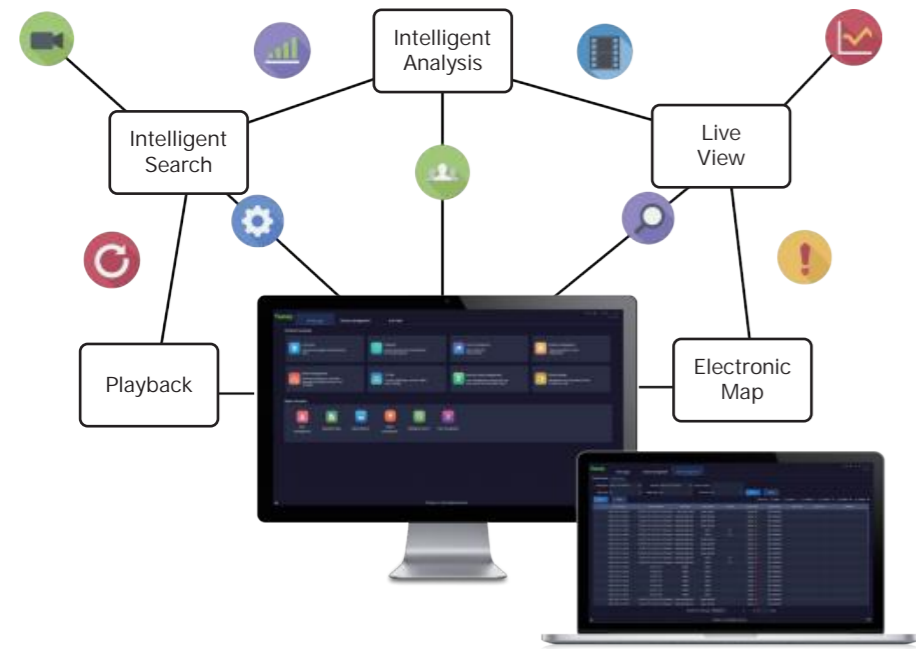
Long Distance 1Km  
63X ultra optical zoom

Auto-tracking Early Warning  
Auto -wiper





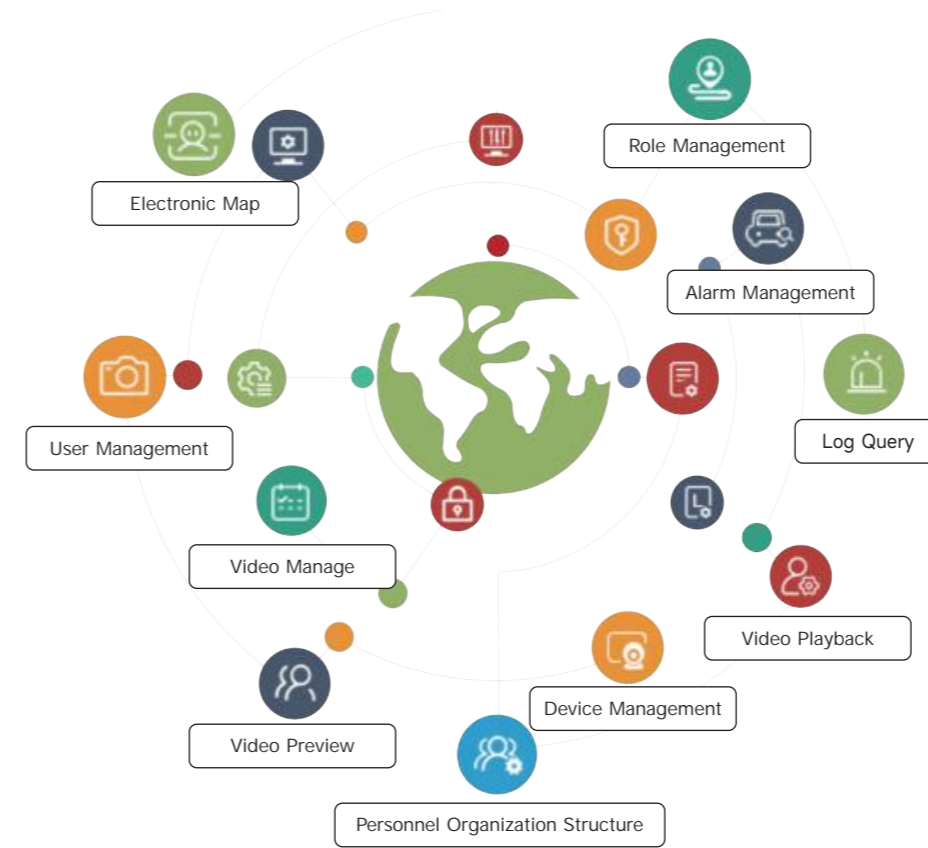
# EASY7 SMART CLIENT EXPRESS



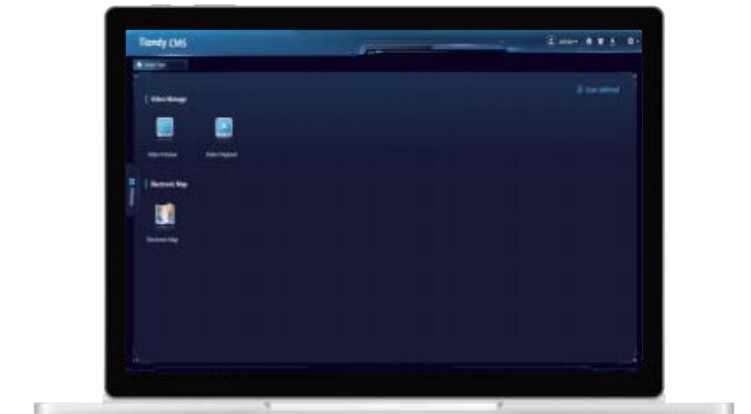
Easy7 Smart Client Express Easy7 Smart Client Express is an independent video management software based on macOS (64bits) and Windows (64bits) Operation system for Tiandy IP cameras, PTZs, NVRs, decoders etc. Up to 512 channels can be connected to Easy7 Smart Client Express. It supports functions like preview, playback, alarm, two-way audio, PTZ control etc. and configuration like device management, user management, event etc. Easy7 Smart Client provides multiple solutions like the people counting solution, fever detection solution, face recognition solution for small and medium scenarios with friendly using experience and intuitive data report.

OS Requirement	Win 7/10/11(64bits); macOS 10.12 or above
Supported Devices	IPC,NVR,PTZ,Decoder etc
Max. Connected Devices Chanel Number	512
Max. Windows Division Mode for Live View	132
Max. Windows Division Mode for Playback	4
Languages	17
Functions	Preview, Playback, Equipment Management, Alarm Configuration, Alarm Management, System Configuration, User Management, Data Statistics, Intelligent Search, Operation Logs

# EASY7 CENTRAL MANAGEMENT SYSTEM



Easy7 Central Management System software (CMS) is the core part of the security surveillance platform, which is powerful, scalable and reliable. Easy7 CMS supports distributed deployment based on CentOS7.6 and is capable of managing up to 5,000 surveillance points. It provides a wealth of functions such as Video Preview, Video Playback, Video Manage, Alarm Management, Electronic Map, Device Management (Middleware Serv, File Storage Server, File Adaptation Service, Map Service, NTP Timing Management, TV-Wall Layout, Encoding Device) Personnel Organization Structure, User Management, Role Management, Log Query. Easy7 CMS can be applied to medium and large surveillance solutions. Easy7 CMS can be easily managed via Chrome80+ and Edge107+ browser.



## SUCCESSFUL CASES



### HOSPITAL PROJECT IN THAILAND

Kalasin hospital is newly arranged in Thailand, designed to be a highly modernized hospital with many departments and staff. Tiandy offered Super Starlight solution, AI classification solution and applied Early warning technology to make sure the big hospital running under well-arranged conditions. Now Kalasin hospital is running properly with many patients and doctors go in or out of the hospital 24 hours each day, and most of the potential risks are well monitored and cleared up before it lead in any losses.



### LUXURY RESIDENTIAL COMMUNITY IN TURKEY

Badur Bogazici Evleri project brings a fresh look on the construction field. The more upscale the residential zone is, the higher their requirements for safety are. Tiandy provided a very professional video surveillance system with images of good quality even at dark night, quickly responding to incidents and presenting a comprehensive coverage of the surroundings to ensure overall safety of the residents.

## SUCCESSFUL CASES



### A FAMOUS UNIVERSITY IN GYEONGBUK, SOUTH KOREA

At the end of 2020, a famous university in Gyeongbuk, South Korea, selected Tiandy Thermal Camera & Tiandy NVR to be installed in the key entrances and exits of the university to prevent COVID-19. Tiandy products have been well received after being installed and debugged for the customer.



### THE QUEENSLAND COAST IN AUSTRALIA

Tiandy Ultra Series PTZ was selected to protect one of the most exclusive homes in Queensland. With its analytic triggered audible and visual early warning system linked to Auto Tracking, this camera offered the perfect solution to protect the home owners and deter any early level of threat.

## SUCCESSFUL CASES



### RABATI CASTLE PROJECT IN GEORGIA

Georgia is now home to a DLB 5-90n/5-15n surveillance network. Tiandy video surveillance systems were installed without damaging the aesthetic beauty of the castle by using the wireless network devices to achieve stable transmission of video stream.



### AL REEF VILLAS PROJECT IN UAE

Al Reef villas comprise over 2300 villas, over 1800 apartments in a mix of studios, a four star hotel and a retail area. Over 200pcs of Super Starlight cameras and 10 NVRs are installed around the whole community. The camera used at commercial area shows great stability and performance at all the night and day time. Tiandy will continue to provide integrated surveillance solution for this upcoming project.

## SUCCESSFUL CASES



### THE CITY OF PETRA IN JORDAN

Petra, originally known to its inhabitants as Stone city, is a historical and archaeological city in southern Jordan. In the entire tourism area of Petra city, 53 Tiandy PTZ cameras were installed. This link is a live image of Tiandy Super Starlight PTZ camera Ultra series model TC-NH62441AA-G. Camera was set up on the high point overlooking the Petra city, to make it possible for visitors from all over the world to see its view.



### LUXURY HOTEL HOTEL IN EGYPT

More than 200 cameras are installed in this project. Products with very high performance, low investment and large returns ensure both operational safety and cost saving. Low illumination, voice speaking, white light, space-saving, intelligent analysis, 24 hour-working, all the functions are combined together to ensure the safety of customers' lives and property and to provide evidence when emergency occurs.

# AK

AK series products are major breakthrough in surveillance field, including bullet, turret and NVR. AK not only has the advantages of analog HD that can fast display images without debugging, but also has 5 key advantages: better performance; full function; cost-efficiency; easier installation; higher security. It can easily achieve audio and video transmission, and has a good performance in noise reduction. Although the price of AK series is lower than analog, AK series can provide better image effect and bringing higher visual experience. In addition, the pure POE networking design is faster and more suitable for applications and brings better user experience.



Model			Model		
	TC-C321N Spec: I3/E/Y/2.8mm TC-C321N Spec: I3/E/Y/4mm	TC-C320N Spec: I3/E/Y/2.8mm		TC-R3104 Spec: I/B/P4/C/Eu/L/S	TC-R3108 Spec: I/B/P8/C/Eu/L/S
<b>Image sensor</b>	1/3" CMOS	1/3" CMOS	<b>Video Input</b>	4-ch	8-ch
<b>Max. image resolution</b>	2MP (1920×1080)@25fps	2MP (1920×1080)@25fps	<b>Decoding Format</b>	S+265/H.265/H.264	S+265/H.265/H.264
<b>Min. illumination</b>	Color:0.04Lux@(F2.2,AGC ON), B/W:0Lux with IR	Color:0.04Lux@(F2.2,AGC ON), B/W:0Lux with IR	<b>Input/output Bandwidth</b>	60Mbps/40Mbps	60Mbps/40Mbps
<b>Lens</b>	2.8mm/4mm	2.8mm	<b>Recording Resolution</b>	5MP/4MP/3MP/1080P/UXGA/720P/ VGA/4CIF/DCIF/2CIF/CIF/QCIF	6MP/5MP/4MP/3MP/1080P/UXGA/720P/VGA/4CIF/ DCIF/2CIF/CIF/QCIF
<b>Video compression</b>	S+265/H.265/H.264	S+265/H.265/H.264	<b>Decoding</b>	1×5MP, 1×4MP, 1×3MP, 2×1080P, 4×720P	1×6MP, 1×5MP, 1×4MP, 1×3MP, 4×1080P, 8×720P
<b>WDR</b>	Digital WDR	Digital WDR	<b>HDD (SATA)</b>	1 HDD	1 HDD
<b>Video Enhancement</b>	BLC/3D DNR/HLC	BLC/3D DNR/HLC	<b>RAID</b>	N/A	N/A
<b>Alarm Trigger</b>	Motion Detection	Motion Detection	<b>POE</b>	4×RJ45 self-adaptive 10/100 Mbps network interfaces	8×RJ45 self-adaptive 10/100 Mbps network interfaces
<b>VCA</b>	N/A	N/A	<b>PoE Budget</b>	48W	65W
<b>Audio I/O</b>	Built-in Mic	Built-in Mic	<b>Audio Input</b>	N/A	N/A
<b>Reset Button</b>	N/A	N/A	<b>Audio Output</b>	N/A	N/A
<b>System compatibility</b>	ONVIF (Profile S/T)	ONVIF (Profile S/T)	<b>Alarm I/O</b>	N/A	N/A
<b>IR LEDs</b>	2	2	<b>HDMI</b>	1	1
<b>IR range</b>	Up to 30m	Up to 30m	<b>VCA</b>	N/A	N/A
<b>Power supply</b>	POE(802.3af)	POE(802.3af)	<b>Network Interface</b>	1×RJ45 self-adaptive 10/100 Mbps network interface	1×RJ45 self-adaptive 10/100 Mbps network interface
<b>Protection Level</b>	IP67	N/A	<b>Power supply</b>	DC48V, <10W (without HDD)	DC48V, <10W (without HDD)
<b>Working temperature</b>	-30°C ~ 60°C, 0 ~ 95%RH	-30°C ~ 60°C, 0 ~ 95%RH	<b>Working temperature</b>	-10°C~55°C, 10%~90% RH	-10°C~55°C, 10%~90% RH
<b>Material</b>	Metal+Plastic	Metal+Plastic	<b>Case Size</b>	1U	1U

# SPARK

Spark series are entry-level production line, including IR and Omni products. All of them are absolutely cost-effective. With S+265 encoding technology, Spark series has efficient video encoding capacity which can save bandwidth and storage space. Equipped with dual lenses, Omni only need one integrated bracket, getting Wall & Pendant mounting two-in-one, which is widely used for scenes that require for two cameras.



Model					
	TC-C32QN Spec:13/E/Y/2.8mm/V5.1 TC-C32QN Spec:13/E/Y/4mm/V5.1	TC-C32XN Spec:13/E/Y/2.8mm/V5.1	TC-C34QN Spec:13/E/Y/2.8mm/V5.0 TC-C34QN Spec:13/E/Y/4mm/V5.0	TC-C34XN Spec:13/E/Y/2.8mm/V5.0	TC-C32RN Spec:15/E/Y/QX/2.8mm/V4.2 TC-C32RN Spec:15/E/Y/QX/4mm/V4.2
<b>Image sensor</b>	1/2.9" CMOS	1/2.9" CMOS	1/3" CMOS	1/3" CMOS	1/3" CMOS
<b>Max.image resolution</b>	2MP (1920×1080)@25fps	2MP (1920×1080)@25fps	4MP (2560×1440)@20fps	4MP (2560×1440)@20fps	2MP (1920×1080)@25fps
<b>Min. illumination</b>	Color: 0.02Lux@ (F2.0, AGC ON), B/W: 0Lux with IR	Color: 0.02Lux@ (F2.0, AGC ON), B/W: 0Lux with IR	Color: 0.02Lux@ (F1.6, AGC ON), B/W: 0Lux with IR	Color: 0.02Lux@ (F1.6, AGC ON), B/W: 0Lux with IR	Color: 0.02Lux@ (F1.6, AGC ON), B/W: 0Lux with IR
<b>Lens</b>	2.8mm/4mm	2.8mm	2.8mm/4mm	2.8mm	2.8mm/4mm
<b>Video compression</b>	S+265/H.265/H.264	S+265/H.265/H.264	S+265/H.265/H.264	S+265/H.265/H.264	S+265/H.265/H.264
<b>WDR</b>	Digital WDR	Digital WDR	Digital WDR	Digital WDR	Digital WDR
<b>Video Enhancement</b>	BLC/3D DNR/HLC	BLC/3D DNR/HLC	BLC/3D DNR/HLC	BLC/3D DNR/HLC	BLC/3D DNR/HLC
<b>Alarm Trigger</b>	Motion Detection, IP Address Conflict	Motion Detection, IP Address Conflict	Motion Detection, IP Address Conflict	Motion Detection, IP Address Conflict	Motion Detection, IP Address Conflict
<b>VCA</b>	N/A	N/A	N/A	N/A	N/A
<b>Audio I/O</b>	Built-in Mic	Built-in Mic	Built-in Mic	Built-in Mic	Built-in Mic
<b>Alarm I/O</b>	N/A	N/A	N/A	N/A	N/A
<b>Memory slot</b>	N/A	N/A	N/A	N/A	N/A
<b>Reset Button</b>	N/A	N/A	N/A	N/A	N/A
<b>System compatibility</b>	ONVIF (Profile S/T), SDK, P2P(Mutually exclusive with Onvif)	ONVIF (Profile S/T), SDK, P2P(Mutually exclusive with Onvif)	ONVIF (Profile S/T), SDK, P2P(Mutually exclusive with Onvif)	ONVIF (Profile S/T), SDK, P2P(Mutually exclusive with Onvif)	ONVIF (Profile S/T), SDK, P2P (Mutually exclusive with Onvif)
<b>IR LEDs</b>	2	2	2	2	6
<b>IR range</b>	Up to 30 m	Up to 30m	Up to 30m	Up to 30m	Up to 50m
<b>Power supply</b>	PoE (802.3af)	PoE (802.3af)	PoE (802.3af)	PoE (802.3af)	PoE(802.3af)
<b>Protection Level</b>	IP67	N/A	IP67	N/A	IP67
<b>Working temperature</b>	-30°C-60°C, 0-95% RH	-30°C-60°C, 0-95% RH	-30°C-60°C, 0-95% RH	-30°C-60°C, 0-95% RH	-30°C-60°C, 0-95% RH
<b>Material</b>	Metal+Plastic	Metal+Plastic	Metal+Plastic	Metal+Plastic	Plastic

# IPC Super Lite






SuperLite line as primary products line is cost-effective and easy-to-install which can be applied to retail stores, warehouses, parking lots and parks, etc. SuperLite series provides built-in mic and entry-level intelligent experience. Now fixed cameras with resolution from 2MP to 4MP are available for customers.



Model	S+265	S+265	S+265	S+265	LITE STAR	LITE STAR
	TC-C32GN Spec: I5/E/Y/C/2.8mm/V4.2 TC-C32GN Spec: I5/E/Y/C/4mm/V4.2	TC-C32HN Spec: I3/E/Y/C/2.8mm/V4.2	TC-C34GN Spec: I5/E/Y/C/2.8mm/V4.2 TC-C34GN Spec: I5/E/Y/C/4mm/V4.2	TC-C34HN Spec: I3/E/Y/C/2.8mm/V4.2	TC-C32GS Spec: I5/E/Y/C/SD/2.8mm/V4.2 TC-C32GS Spec: I5/E/Y/C/SD/4mm/V4.2	TC-C32HS Spec: I3/E/Y/C/SD/2.8mm/V4.2
<b>Image sensor</b>	1/2.8" CMOS	1/2.8" CMOS	1/2.7" CMOS	1/2.7" CMOS	1/2.8" CMOS	1/2.8" CMOS
<b>Max. image resolution</b>	2MP (1920x1080)@25fps	2MP (1920x1080)@25fps	4MP(2688x1520)@25fps	4MP(2688x1520)@25fps	2MP (1920x1080)@25fps	2MP (1920x1080)@25fps
<b>Min. illumination</b>	Color: 0.02Lux@ (F2.0, AGC ON), B/W: 0Lux with IR	Color: 0.02Lux@ (F2.0, AGC ON), B/W: 0Lux with IR	Color: 0.02Lux@ (F1.6, AGC ON), B/W: 0Lux with IR	Color: 0.02Lux@ (F1.6, AGC ON), B/W: 0Lux with IR	Color: 0.002Lux@ (F1.6, AGC ON), B/W: 0Lux with IR	Color: 0.002Lux@ (F1.6, AGC ON), B/W: 0Lux with IR
<b>Lens</b>	2.8mm/4mm	2.8mm	2.8mm/4mm	2.8mm	2.8mm/4mm	2.8mm
<b>Video compression</b>	S+265/H.265/H.264	S+265/H.265/H.264	S+265/H.265/H.264	S+265/H.265/H.264	S+265/H.265/H.264	S+265/H.265/H.264
<b>WDR</b>	Digital WDR	Digital WDR	Digital WDR	Digital WDR	120dB	120dB
<b>Video Enhancement</b>	BLC/3D DNR/HLC	BLC/3D DNR/HLC	BLC/3D DNR/HLC	BLC/3D DNR/HLC	BLC/3D DNR/HLC	BLC/3D DNR/HLC
<b>Alarm Trigger</b>	Motion Detection, Mask Alarm, IP Address Conflict	Motion Detection, Mask Alarm, IP Address Conflict	Motion Detection, Mask Alarm, IP Address Conflict	Motion Detection, Mask Alarm, IP Address Conflict	Motion Detection, Mask Alarm, IP Address Conflict	Motion Detection, Mask Alarm, IP Address Conflict
<b>VCA</b>	Tripwire/Perimeter	Tripwire/Perimeter	Tripwire/Perimeter	Tripwire/Perimeter	Tripwire/Perimeter	Tripwire/Perimeter
<b>Audio I/O</b>	Built-in Mic	Built-in Mic	Built-in Mic	Built-in Mic	Built-in Mic	Built-in Mic
<b>Alarm I/O</b>	N/A	N/A	N/A	N/A	N/A	N/A
<b>Memory slot</b>	N/A	N/A	N/A	N/A	Built-in Micro SD card slot, up to 512 GB	Built-in Micro SD card slot, up to 512 GB
<b>Reset Button</b>	N/A	N/A	N/A	N/A	Yes(Built in)	Yes(Built in)
<b>System compatibility</b>	ONVIF (Profile S/T), SDK, P2P(Mutually exclusive with Onvif)	ONVIF (Profile S/T), SDK, P2P(Mutually exclusive with Onvif)	ONVIF (Profile S/T), SDK, P2P(Mutually exclusive with Onvif)	ONVIF (Profile S/T), SDK, P2P(Mutually exclusive with Onvif)	ONVIF (Profile S/T/G), SDK, P2P(Mutually exclusive with Onvif)	ONVIF (Profile S/T/G), SDK, P2P(Mutually exclusive with Onvif)
<b>IR LEDs</b>	2	2	2	2	2	2
<b>IR range</b>	Up to 50 m	Up to 30 m	Up to 50m	Up to 30m	Up to 50 m	Up to 30 m
<b>White LEDs Range</b>	N/A	N/A	N/A	N/A	N/A	N/A
<b>Power supply</b>	PoE (802.3af)	PoE (802.3af)	PoE(802.3af)	PoE(802.3af)	PoE (802.3af)	PoE (802.3af)
<b>Protection Level</b>	IP67	IP66	IP67	IP66	IP67	IP66
<b>Working temperature</b>	-30°C-60°C, 0-95% RH	-30°C-60°C, 0-95% RH	-30°C-60°C, 0-95% RH	-30°C-60°C, 0-95% RH	-30°C-60°C, 0-95% RH	-30°C-60°C, 0-95% RH
<b>Material</b>	Metal+Plastic	Metal+Plastic	Metal+Plastic	Metal+Plastic	Metal+Plastic	Metal+Plastic

Model				
	TC-C32QN Spec:15W/E/Y/4mm/V4.2	TC-C32XN Spec:13W/E/Y/2.8mm/V4.2	TC-C34QN Spec:15W/E/Y/4mm/V4.2	TC-C34XN Spec:13W/E/Y/2.8mm/V4.2
<b>Image sensor</b>	1/2.8" CMOS	1/2.8" CMOS	1/2.8" CMOS	1/2.8" CMOS
<b>Max.image resolution</b>	2MP (1920×1080)@25fps	2MP (1920×1080)@25fps	4MP(2688X1520)@25fps	4MP(2688X1520)@25fps
<b>Min. illumination</b>	Color:0.02Lux@(F1.6,AGC ON), B/W: 0Lux with IR	Color:0.02Lux@(F1.6,AGC ON), B/W: 0Lux with IR	Color:0.02Lux@(F1.6,AGC ON), B/W: 0Lux with IR	Color:0.02Lux@(F1.6,AGC ON), B/W: 0Lux with IR
<b>Lens</b>	4mm	2.8mm	4mm	2.8mm
<b>Video compression</b>	S+265/H.265/H.264	S+265/H.265/H.264	S+265/H.265/H.264	S+265/H.265/H.264
<b>WDR</b>	Digital WDR	Digital WDR	TWDR	TWDR
<b>Video Enhancement</b>	BLC/3D DNR/HLC	BLC/3D DNR/HLC	BLC/3D DNR/HLC	BLC/3D DNR/HLC
<b>Alarm Trigger</b>	Motion Detection, Mask Alarm, IP Address Conflict	Motion Detection, Mask Alarm, IP Address Conflict	Motion Detection, Mask Alarm, IP Address Conflict	Motion Detection, Mask Alarm, IP Address Conflict
<b>VCA</b>	Tripwire/Perimeter	Tripwire/Perimeter	Tripwire/Perimeter	Tripwire/Perimeter
<b>Audio I/O</b>	Built-in Mic	Built-in Mic	Built-in Mic	Built-in Mic
<b>Alarm I/O</b>	N/A	N/A	N/A	N/A
<b>Memory slot</b>	N/A	N/A	N/A	N/A
<b>Reset Button</b>	N/A	N/A	N/A	N/A
<b>System compatibility</b>	ONVIF (Profile S/T), SDK, P2P(Mutually exclusive with Onvif)	ONVIF (Profile S/T), SDK, P2P(Mutually exclusive with Onvif)	ONVIF (Profile S/T), SDK, P2P(Mutually exclusive with Onvif)	ONVIF (Profile S/T), SDK, P2P(Mutually exclusive with Onvif)
<b>IR LEDs</b>	2	2	2	2
<b>IR range</b>	Up to 50 m	Up to 30 m	Up to 50 m	Up to 30 m
<b>White LEDs Range</b>	15m	15m	15m	15m
<b>Power supply</b>	DC12±25%,POE(802.3af)	DC12±25%,POE(802.3af)	DC12±25%,POE(802.3af)	DC12±25%,POE(802.3af)
<b>Protection Level</b>	IP67	N/A	IP67	N/A
<b>Working temperature</b>	-30°C~60°C, 0~95% RH	-30°C~60°C, 0~95% RH	-30°C~60°C, 0~95% RH	-30°C~60°C, 0~95% RH
<b>Material</b>	Metal+Plastic	Metal+Plastic	Metal+Plastic	Metal+Plastic

Model				
	TC-C32UN Spec:18/A/E/Y/2.8-12mm/V4.2	TC-C32KN Spec:13/A/E/Y/2.8-12mm/V4.2	TC-C34UN Spec:18/A/E/Y/2.8-12mm/V4.2	TC-C34KN Spec:13/A/E/Y/2.8-12mm/V4.2
<b>Image sensor</b>	1/2.8"	1/2.8"	1/2.8"	1/2.8"
<b>Max.image resolution</b>	2MP (1920×1080)@25fps	2MP (1920×1080)@25fps	4MP(2688X1520)@25fps	4MP(2688X1520)@25fps
<b>Min. illumination</b>	Color:0.02Lux@(F1.6,AGC ON), B/W: 0Lux with IR	Color:0.02Lux@(F1.6,AGC ON), B/W: 0Lux with IR	Color:0.02Lux@(F1.6,AGC ON), B/W: 0Lux with IR	Color:0.02Lux@(F1.6,AGC ON), B/W: 0Lux with IR
<b>Lens</b>	2.8-12mm	2.8-12mm	2.8-12mm	2.8-12mm
<b>Video compression</b>	S+265/H.265/H.264	S+265/H.265/H.264	S+265/H.265/H.264	S+265/H.265/H.264
<b>WDR</b>	Digital WDR	Digital WDR	120dB	120dB
<b>Video Enhancement</b>	BLC/3D DNR/HLC	BLC/3D DNR/HLC	BLC/3D DNR/HLC	BLC/3D DNR/HLC
<b>Alarm Trigger</b>	Motion Detection, Mask Alarm, IP Address Conflict	Motion Detection, Mask Alarm, IP Address Conflict	Motion Detection, Mask Alarm, IP Address Conflict	Motion Detection, Mask Alarm, IP Address Conflict
<b>VCA</b>	N/A	N/A	Tripwire/Perimeter	Tripwire/Perimeter
<b>Audio I/O</b>	Built-in Mic	Built-in Mic	Built-in Mic	Built-in Mic
<b>Alarm I/O</b>	N/A	N/A	N/A	N/A
<b>Memory slot</b>	Built-in TF card slot, up to 512 GB	Built-in TF card slot, up to 512 GB	Built-in TF card slot, up to 512 GB	Built-in TF card slot, up to 512 GB
<b>Reset Button</b>	Yes	Yes(Built in)	Yes	Yes(Built in)
<b>System compatibility</b>	ONVIF (Profile S/T/G), SDK, P2P(Mutually exclusive with Onvif)	ONVIF (Profile S/T/G), SDK, P2P(Mutually exclusive with Onvif)	ONVIF (Profile S/T/G), SDK, P2P(Mutually exclusive with Onvif)	ONVIF (Profile S/T/G), SDK, P2P(Mutually exclusive with Onvif)
<b>IR LEDs</b>	4	2	4	2
<b>IR range</b>	Up to 80 m	Up to 30 m	Up to 80 m	Up to 30 m
<b>White LEDs Range</b>	N/A	N/A	N/A	N/A
<b>Power supply</b>	DC12±25%,POE(802.3af)	DC12±25%,POE(802.3af)	DC12±25%,POE(802.3af)	DC12±25%,POE(802.3af)
<b>Protection Level</b>	IP67	IP66	IP67	IP66
<b>Working temperature</b>	-35°C~60°C, 0~95% RH	-35°C~60°C, 0~95% RH	-35°C~60°C, 0~95% RH	-35°C~60°C, 0~95% RH
<b>Material</b>	Metal+Plastic	Metal+Plastic	Metal+Plastic	Metal+Plastic





Model	 LITE STAR	 LITE STAR	 LITE STAR	 LITE STAR	 WIFI
	TC-C32KS Spec: I3/E/Y/C/SD/2.8mm/V4.2	TC-C34GS Spec: I5/E/Y/C/SD/2.8mm/V4.2 TC-C34GS Spec: I5/E/Y/C/SD/4mm/V4.2	TC-C34HS Spec: I3/E/Y/C/SD/2.8mm/V4.2	TC-C34KS Spec: I3/E/Y/C/SD/2.8mm/V4.2	TC-H332N Spec: I2W/WIFI/4mm/V4.0
<b>Image sensor</b>	1/2.8" CMOS	1/2.7" CMOS	1/2.7" CMOS	1/2.7" CMOS	1/2.8" CMOS
<b>Max. image resolution</b>	2MP (1920x1080)@25fps	4MP (2688x1520)@25fps	4MP (2688x1520)@25fps	4MP (2688x1520)@25fps	3MP (2304x1296)@20fps
<b>Min. illumination</b>	Color: 0.002Lux@ (F1.6, AGC ON), B/W: 0Lux with IR	Color: 0.002Lux@ (F1.6, AGC ON), B/W: 0Lux with IR	Color: 0.002Lux@ (F1.6, AGC ON), B/W: 0Lux with LED on	Color: 0.002Lux@ (F1.6, AGC ON), B/W: 0Lux with LED on	Color: 0.02Lux@ (F2.0, AGC ON), B/W: 0Lux with IR
<b>Lens</b>	2.8mm	2.8mm/4mm	2.8mm	2.8mm	4mm
<b>Video compression</b>	S+265/H.265/H.264	S+265/H.265/H.264	S+265/H.265/H.264	S+265/H.265/H.264	S+265/H.265/H.264
<b>WDR</b>	120dB	Digital WDR	Digital WDR	Digital WDR	Digital WDR
<b>Video Enhancement</b>	BLC/3D DNR/HLC	BLC/3D DNR/HLC	BLC/3D DNR/HLC	BLC/3D DNR/HLC	3D DNR/HLC
<b>Alarm Trigger</b>	Motion Detection, Mask Alarm, IP Address Conflict	Motion Detection, Mask Alarm, IP Address Conflict	Motion Detection, Mask Alarm, IP Address Conflict	Motion Detection, Mask Alarm, IP Address Conflict	IP Address Conflict
<b>VCA</b>	Tripwire/Perimeter	Tripwire/Perimeter	Tripwire/Perimeter	Tripwire/Perimeter	N/A
<b>Audio I/O</b>	Built-in Mic	Built-in Mic	Built-in Mic	Built-in Mic	Built-in Mic
<b>Alarm I/O</b>	N/A	N/A	N/A	N/A	N/A
<b>Memory slot</b>	Built-in Micro SD card slot, up to 512 GB	Built-in Micro SD card slot, up to 512 GB	Built-in Micro SD card slot, up to 512 GB	Built-in Micro SD card slot, up to 512 GB	Built-in Micro SD card slot, up to 512 GB
<b>Reset Button</b>	Yes(Built in)	Yes(Built in)	Yes(Built in)	Yes(Built in)	Yes
<b>System compatibility</b>	ONVIF (Profile S/T/G), SDK, P2P(Mutually exclusive with Onvif)	ONVIF (Profile S/T/G), SDK, Milestone, P2P (Mutually exclusive with Onvif)	ONVIF (Profile S/T/G), SDK, Milestone, P2P (Mutually exclusive with Onvif)	ONVIF (Profile S/T/G), SDK, Milestone, P2P (Mutually exclusive with Onvif)	ONVIF (Profile S/T), SDK, P2P (Mutually exclusive with Onvif)
<b>IR LEDs</b>	8	2	2	8	4
<b>IR range</b>	Up to 30 m	Up to 50m	Up to 30m	Up to 30m	Up to 20m
<b>White LEDs Range</b>	N/A	N/A	N/A	N/A	10m
<b>Power supply</b>	PoE (802.3af)	PoE (802.3af)	PoE (802.3af)	PoE (802.3af)	DC 12V±25%
<b>Protection Level</b>	IP66	IP67	IP66	IP66, IK10	N/A
<b>Working temperature</b>	-30°C~60°C, 0~95% RH	-30°C~60°C, 0~95% RH	-30°C~60°C, 0~95% RH	-30°C~60°C, 0~95% RH	-10°C~45°C, 0~95% RH
<b>Material</b>	Metal+Plastic	Metal+Plastic	Metal+Plastic	Metal+Plastic	Plastic





## IPC Lite

Lite line as primary products line is cost-effective and easy-to-install, which can be applied to retail stores, warehouses, parking lots and parks, etc. Lite series provides value-added interfaces, such as built-in mic, SD card slot and reset button in hardware, supports two most frequently used VCA functions, tripwire and perimeter. Lite series provides entry-level intelligent experience. Now fixed cameras with resolution from 2MP to 8MP and motorized cameras with 2MP and 5MP are available for customers. In addition to starlight and super starlight cameras, newly released Color Maker cameras offer a 24 hours full color image.













Model	COLOR MAKER-TRI-LIGHT	COLOR MAKER-TRI-LIGHT	COLOR MAKER-TRI-LIGHT	COLOR MAKER-TRI-LIGHT	COLOR MAKER	COLOR MAKER
						
	TC-C32WP Spec: I5W/E/Y/(M)/2.8mm/V4.2 TC-C32WP Spec: I5W/E/Y/(M)/4mm/V4.2	TC-C32XP Spec: I3W/E/Y/(M)/2.8mm/V4.2	TC-C34WS Spec: I5W/E/Y/(M)/2.8mm/V4.2 TC-C34WS Spec: I5W/E/Y/(M)/4mm/V4.2	TC-C34XS Spec: I3W/E/Y/(M)/2.8mm/V4.2	TC-C34WP Spec: W/E/Y/2.8mm/V4.0 TC-C34WP Spec: W/E/Y/4mm/V4.0	TC-C34XP Spec: W/E/Y/(M)/2.8mm/V4.0
<b>Image sensor</b>	1/2.8" CMOS	1/2.8" CMOS	1/2.8" CMOS	1/2.8" CMOS	1/2.8" CMOS	1/2.8" CMOS
<b>Max. image resolution</b>	2MP (1920x1080)@25fps	2MP (1920x1080)@25fps	4MP (2592x1520)@25fps	4MP (2592x1520)@25fps	4MP (2592x1520)@25fps	4MP (2592x1520)@25fps
<b>Min. illumination</b>	Color: 0.002Lux@ (F1.6, AGC ON), B/W: 0Lux with IR	Color: 0.002Lux@ (F1.6, AGC ON), B/W: 0Lux with IR	Color: 0.002Lux@ (F1.6, AGC ON), B/W: 0Lux with IR	Color: 0.002Lux@ (F1.6, AGC ON), B/W: 0Lux with IR	Color: 0.0004Lux@ (F1.0, AGC ON), 0Lux with LED on	Color: 0.0004Lux@ (F1.0, AGC ON), 0Lux with LED on
<b>Lens</b>	2.8mm/4mm	2.8mm	2.8mm/4mm	2.8mm	2.8mm/4mm	2.8mm
<b>Video compression</b>	S+265/H.265/H.264	S+265/H.265/H.264	S+265/H.265/H.264	S+265/H.265/H.264	S+265/H.265/H.264	S+265/H.265/H.264
<b>WDR</b>	120dB	120dB	120dB	120dB	120dB	120dB
<b>Video Enhancement</b>	BLC/3D DNR/HLC	BLC/3D DNR/HLC	BLC/3D DNR/HLC	BLC/3D DNR/HLC	BLC/3D DNR/HLC	BLC/3D DNR/HLC
<b>Alarm Trigger</b>	Motion Detection, Mask Alarm, IP Address Conflict	Motion Detection, Mask Alarm, IP Address Conflict	Motion Detection, Mask Alarm, IP Address Conflict	Motion Detection, Mask Alarm, IP Address Conflict	Motion Detection, Mask Alarm, IP Address Conflict	Motion Detection, Mask Alarm, IP Address Conflict
<b>VCA</b>	Tripwire/Perimeter	Tripwire/Perimeter	Tripwire/Perimeter	Tripwire/Perimeter	Tripwire, Perimeter	Tripwire, Perimeter
<b>Audio I/O</b>	Built-in Mic	Built-in Mic	Built-in Mic	Built-in Mic	Built-in Mic	Built-in Mic
<b>Alarm I/O</b>	N/A	N/A	N/A	N/A	N/A	N/A
<b>Memory slot</b>	Built-in Micro SD card slot, up to 512 GB	Built-in Micro SD card slot, up to 512 GB	Built-in Micro SD card slot, up to 512 GB	Built-in Micro SD card slot, up to 512 GB	Built-in Micro SD card slot, up to 512 GB	Built-in Micro SD card slot, up to 512 GB
<b>Reset Button</b>	Yes	Yes(Built in)	Yes	Yes(Built in)	Yes	Yes(Built in)
<b>System compatibility</b>	ONVIF (Profile S/T/G), SDK, CGI (IE), P2P (Mutually exclusive with Onvif)	ONVIF (Profile S/T/G), SDK, CGI (IE), P2P (Mutually exclusive with Onvif)	ONVIF (Profile S/T/G), SDK, Milestone, CGI (IE), P2P (Mutually exclusive with Onvif)	ONVIF (Profile S/T/G), SDK, Milestone, CGI (IE), P2P (Mutually exclusive with Onvif)	ONVIF (Profile S/T/G), SDK, Milestone, P2P (Mutually exclusive with Onvif)	ONVIF (Profile S/T/G), SDK, Milestone, P2P (Mutually exclusive with Onvif)
<b>IR LEDs</b>	2	2	2	2	N/A	N/A
<b>IR range</b>	up to 50m	up to 30m	Up to 50m	Up to 30m	N/A	N/A
<b>White LEDs Range</b>	10m	10m	10m	10m	10m	10m
<b>Power supply</b>	DC 12V±25%, PoE (802.3af)	DC 12V±25%, PoE (802.3af)	DC 12V±25%, PoE (802.3af)	DC 12V±25%, PoE (802.3af)	DC 12V±25%, PoE (802.3af)	DC 12V±25%, PoE (802.3af)
<b>Protection Level</b>	IP67	IP66	IP67	IP66	IP67	IP66
<b>Working temperature</b>	-35°C-60°C, 0-95% RH	-35°C-60°C, 0-95% RH	-35°C-60°C, 0-95% RH	-35°C-60°C, 0-95% RH	-40°C-65°C, 0-95% RH	-40°C-65°C, 0-95% RH
<b>Material</b>	Default: Metal+Plastic; M: Metal	Default: Metal+Plastic; M: Metal	Default: Metal+Plastic; M: Metal	Metal+Plastic	Metal+Plastic	Default: Metal+Plastic; M: Metal

Model	COLOR MAKER	S+265	S+265	S+265	LITE STAR	LITE STAR
						
	TC-C34UP Spec: W/E/Y/M/4mm/V4.0	TC-C32WN Spec: I5/E/Y/(M)/2.8mm/V4.1 TC-C32WN Spec: I5/E/Y/(M)/4mm/V4.1	TC-C32XN Spec: I3/E/Y/(M)/2.8mm/V4.1	TC-C32KN Spec: I3/E/Y/2.8mm/V4.1	TC-C35WS Spec: I5/E/Y/(M)/2.8mm/V4.0 TC-C35WS Spec: I5/E/Y/(M)/4mm/V4.0	TC-C35XS Spec: I3/E/Y/(M)/2.8mm/V4.0
<b>Image sensor</b>	1/1.8" CMOS	1/2.9" CMOS	1/2.9" CMOS	1/2.9" CMOS	1/2.8" CMOS	1/2.8" CMOS
<b>Max. image resolution</b>	4MP (2560x1440)@25fps	2MP (1920x1080)@25fps	2MP (1920x1080)@25fps	2MP (1920x1080)@25fps	5MP (2592x1944)@20fps	5MP (2592x1944)@20fps
<b>Min. illumination</b>	Color: 0.0004Lux@ (F1.0, AGC ON) B/W: 0Lux with LED on	Color: 0.02Lux@ (F2.0, AGC ON), B/W: 0Lux with IR	Color: 0.02Lux@ (F2.0, AGC ON), B/W: 0Lux with IR	Color: 0.02Lux@ (F2.0, AGC ON), B/W: 0Lux with IR	Color: 0.002Lux@ (F1.6, AGC ON) B/W: 0Lux with IR	Color: 0.002Lux@ (F1.6, AGC ON) B/W: 0Lux with IR
<b>Lens</b>	4mm	2.8mm/4mm	2.8mm	2.8mm	2.8mm	2.8mm
<b>Video compression</b>	S+265/H.265/H.264	S+265/H.265/H.264	S+265/H.265/H.264	S+265/H.265/H.264	S+265/H.265/H.264	S+265/H.265/H.264
<b>WDR</b>	120dB	Digital WDR	Digital WDR	Digital WDR	120dB	120dB
<b>Video Enhancement</b>	BLC/3D DNR/HLC	BLC/3D DNR/HLC	BLC/3D DNR/HLC	BLC/3D DNR/HLC	BLC/3D DNR/HLC	BLC/3D DNR/HLC
<b>Alarm Trigger</b>	Motion Detection, Mask Alarm, IP Address Conflict	Motion Detection, Mask Alarm, IP Address Conflict	Motion Detection, Mask Alarm, IP Address Conflict	Motion Detection, Mask Alarm, IP Address Conflict	Motion Detection, Mask Alarm, IP Address Conflict	Motion Detection, Mask Alarm, IP Address Conflict
<b>VCA</b>	Tripwire/Perimeter	Tripwire/Perimeter	Tripwire/Perimeter	Tripwire/Perimeter	Tripwire/Perimeter	Tripwire/Perimeter
<b>Audio I/O</b>	Built-in Mic	Built-in Mic	Built-in Mic	Built-in Mic	Built-in Mic	Built-in Mic
<b>Alarm I/O</b>	N/A	N/A	N/A	N/A	N/A	N/A
<b>Memory slot</b>	Built-in Micro SD card slot, up to 512 GB	Built-in Micro SD card slot, up to 512 GB	Built-in Micro SD card slot, up to 512 GB	Built-in Micro SD card slot, up to 512 GB	Built-in Micro SD card slot, up to 512 GB	Built-in Micro SD card slot, up to 512 GB
<b>Reset Button</b>	Yes	Yes	Yes(Built in)	Yes(Built in)	Yes	Yes(Built in)
<b>System compatibility</b>	ONVIF (Profile S/T/G), SDK, Milestone, P2P (Mutually exclusive with Onvif)	ONVIF (Profile S/T/G), SDK, Milestone, P2P (Mutually exclusive with Onvif)	ONVIF (Profile S/T/G), SDK, Milestone, P2P (Mutually exclusive with Onvif)	ONVIF (Profile S/T/G), SDK, Milestone, P2P (Mutually exclusive with Onvif)	ONVIF (Profile S/T/G), SDK, Milestone, CGI (IE), P2P (Mutually exclusive with Onvif)	ONVIF (Profile S/T/G), SDK, Milestone, CGI (IE), P2P (Mutually exclusive with Onvif)
<b>IR LEDs</b>	N/A	2	2	8	8	2
<b>IR range</b>	N/A	Up to 50m	Up to 30m	Up to 30m	Up to 50m	Up to 30m
<b>White LEDs Range</b>	20m	N/A	N/A	N/A	N/A	N/A
<b>Power supply</b>	DC 12V±25%, PoE (802.3af)	DC 12V±25%, PoE (802.3af)	DC 12V±25%, PoE (802.3af)	DC 12V±25%, PoE (802.3af)	DC 12V±25%, PoE (802.3af)	DC 12V±25%, PoE (802.3af)
<b>Protection Level</b>	IP67	IP67	IP66	IP67, IK10	IP67	IP66
<b>Working temperature</b>	-40°C-60°C, 0-95% RH	-40°C-65°C, 0-95% RH	-40°C-65°C, 0-95% RH	-35°C-65°C, 0-95% RH	-40°C-65°C, 0-95% RH	-40°C-65°C, 0-95% RH
<b>Material</b>	Metal	Default: Metal+Plastic; M: Metal	Default: Metal+Plastic; M: Metal	Metal+Plastic	Default: Metal+Plastic; M: Metal	Default: Metal+Plastic; M: Metal

Model						
	TC-C35KS Spec: I3/E/Y/2.8mm/V4.0	TC-C38WS Spec: I5/E/Y/M/2.8mm/V4.0 TC-C38WS Spec: I5/E/Y/M/4mm/V4.0	TC-C38XS Spec: I3/E/Y/M/2.8mm/V4.0	TC-C38KS Spec: I3/E/Y/2.8mm/V4.0	TC-C32WN Spec: I5/Y/WIFI/2.8mm/V4.1 TC-C32WN Spec: I5/Y/WIFI/4mm/V4.1	TC-C32KN Spec: I3/Y/WIFI/2.8mm/V4.1
<b>Image sensor</b>	1/2.8" CMOS	1/2.8" CMOS	1/2.8" CMOS	1/2.8" CMOS	1/2.9" CMOS	1/2.9" CMOS
<b>Max.image resolution</b>	5MP (2592×1944)@20fps	8MP (3840×2160)@20fps	8MP (3840×2160)@20fps	8MP (3840×2160)@20fps	2MP (1920×1080)@25fps	2MP (1920×1080)@25fps
<b>Min. illumination</b>	Color: 0.002Lux@ (F1.6, AGC ON) B/W: 0Lux with IR	Color: 0.002Lux@ (F1.6, AGC ON), B/W: 0Lux with IR	Color: 0.002Lux@ (F1.6, AGC ON), B/W: 0Lux with IR	Color: 0.002Lux@ (F1.6, AGC ON), B/W: 0Lux with IR	Color: 0.02Lux@ (F2.0, AGC ON), B/W: 0Lux with IR	Color: 0.02Lux@ (F2.0, AGC ON), B/W: 0Lux with IR
<b>Lens</b>	2.8mm	2.8mm/4mm	2.8mm	2.8mm	4mm	2.8mm
<b>Video compression</b>	S+265/H.265/H.264	S+265/H.265/H.264/M-JPEG	S+265/H.265/H.264/M-JPEG	S+265/H.265/H.264/M-JPEG	S+265/H.265/H.264	S+265/H.265/H.264
<b>WDR</b>	120dB	120dB	120dB	120dB	Digital WDR	Digital WDR
<b>Video Enhancement</b>	BLC/3D DNR/HLC	BLC/3D DNR/HLC/Corridor Format	BLC/3D DNR/HLC/Corridor Format	BLC/3D DNR/HLC/Corridor Format	BLC/3D DNR/HLC	BLC/3D DNR/HLC
<b>Alarm Trigger</b>	Motion Detection, Mask Alarm, IP Address Conflict	Motion Detection, Mask Alarm, IP Address Conflict	Motion Detection, Mask Alarm, IP Address Conflict	Motion Detection, Mask Alarm, IP Address Conflict	Motion Detection, Mask Alarm, IP Address Conflict	Motion Detection, Mask Alarm, IP Address Conflict
<b>VCA</b>	Tripwire/Perimeter	Tripwire/Perimeter	Tripwire/Perimeter	Tripwire/Perimeter	N/A	N/A
<b>Audio I/O</b>	Built-in Mic	Built-in Mic	Built-in Mic	Built-in Mic	Built-in Mic	Built-in Mic
<b>Alarm I/O</b>	N/A	N/A	N/A	N/A	N/A	N/A
<b>Memory slot</b>	Built-in Micro SD card slot, up to 512 GB	Built-in Micro SD card slot, up to 512 GB	Built-in Micro SD card slot, up to 512 GB	Built-in Micro SD card slot, up to 512 GB	Built-in Micro SD card slot, up to 512 GB	Built-in Micro SD card slot, up to 512 GB
<b>Reset Button</b>	Yes(Built in)	Yes	Yes(Built in)	Yes(Built in)	Yes	Yes(Built in)
<b>System compatibility</b>	ONVIF (Profile S/T/G), SDK, Milestone, CGI (IE), P2P (Mutually exclusive with Onvif)	ONVIF (Profile S/T/G), SDK, Milestone, CGI, P2P (Mutually exclusive with Onvif)	ONVIF (Profile S/T/G), SDK, Milestone, CGI, P2P (Mutually exclusive with Onvif)	ONVIF (Profile S/T/G), SDK, Milestone, CGI, P2P (Mutually exclusive with Onvif)	ONVIF (Profile S/T/G), SDK, Milestone, P2P (Mutually exclusive with Onvif)	ONVIF (Profile S/T/G), SDK, Milestone, P2P (Mutually exclusive with Onvif)
<b>IR LEDs</b>	8	2	2	8	2	8
<b>IR range</b>	Up to 30m	Up to 50m	Up to 30m	Up to 30m	Up to 50m	Up to 30m
<b>White LEDs Range</b>	N/A	N/A	N/A	N/A	N/A	N/A
<b>Power supply</b>	DC 12V±25%, PoE (802.3af)	DC 12V±25%, PoE (802.3af)	DC 12V±25%, PoE (802.3af)	DC 12V±25%, PoE (802.3af)	DC 12V±25%	DC 12V±25%
<b>Protection Level</b>	IP67, IK10	IP67	IP66	IP67, IK10	IP67	IP67, IK10
<b>Working temperature</b>	-40°C-65°C, 0-95% RH	-40°C-65°C, 0-95% RH	-40°C-65°C, 0-95% RH	-40°C-65°C, 0-95% RH	-35°C-65°C, 0-95% RH	-35°C-65°C, 0-95% RH
<b>Material</b>	Metal+Plastic	Metal	Metal	Metal+Plastic	Metal+Plastic	Metal+Plastic

Model						
	TC-H334S Spec:I5W/C/WIFI/4mm/V4.1	TC-C35WS Spec:I5/E/Y/C/H/2.8mm/V4.0 TC-C35WS Spec:I5/E/Y/C/H/4mm/V4.0	TC-C35XS Spec:I3/E/Y/C/H/2.8mm/V4.0	TC-C35KS Spec:I3/E/Y/C/H/2.8mm/V4.0	TC-C35US Spec: I8/A/E/Y/M/C/H/2.7-13.5mm/V4.0	TC-C35SS Spec: I3/A/E/Y/M/C/H/2.7-13.5mm/V4.0
<b>Image sensor</b>	1/2.8" CMOS	1/2.8" CMOS	1/2.8" CMOS	1/2.8" CMOS	1/2.8" CMOS	1/2.8" CMOS
<b>Max.image resolution</b>	3MP (2304×1296)@25fps	5MP (2592×1944)@20fps	5MP (2592×1944)@20fps	5MP (2592×1944)@20fps	5MP (2592×1944)@20fps	5MP (2592×1944)@20fps
<b>Min. illumination</b>	Color:0.02Lux@ (F1.6, AGC ON), 0Lux with LED on	Color: 0.002Lux@ (F1.6, AGC ON), B/W: 0Lux with IR	Color: 0.002Lux@ (F1.6, AGC ON), B/W: 0Lux with IR	Color: 0.002Lux@ (F1.6, AGC ON), B/W: 0Lux with IR	Color: 0.002Lux@ (F1.6, AGC ON), B/W: 0Lux with IR	Color: 0.002Lux@ (F1.6, AGC ON), B/W: 0Lux with IR
<b>Lens</b>	4mm	2.8mm/4mm	2.8mm	2.8mm	2.7-13.5mm	2.7-13.5mm
<b>Video compression</b>	S+265/H.265/H.264	S+265/H.265/H.264	S+265/H.265/H.264	S+265/H.265/H.264	S+265/H.265/H.264	S+265/H.265/H.264
<b>WDR</b>	Digital WDR	2	2	2	2	2
<b>Video Enhancement</b>	BLC/3D DNR/HLC	120dB	120dB	120dB	120dB	120dB
<b>Alarm Trigger</b>	IP Address Conflict	BLC/3D DNR/HLC	BLC/3D DNR/HLC	BLC/3D DNR/HLC	BLC/3D DNR/HLC	BLC/3D DNR/HLC
<b>VCA</b>	Autotracking	Tripwire, Perimeter	Tripwire, Perimeter	Tripwire, Perimeter	Tripwire, Perimeter	Tripwire, Perimeter
<b>Audio I/O</b>	Built-in Mic	1/1, Built-in Mic	1/1, Built-in Mic	1/1, Built-in Mic	1/1, Built-in Mic	1/1, Built-in Mic
<b>Alarm I/O</b>	N/A	1/1	1/1	1/1	1/1	1/1
<b>Memory slot</b>	Built-in Micro SD card slot, up to 512 GB	Built-in Micro SD card slot, up to 512 GB	Built-in Micro SD card slot, up to 512 GB	Built-in Micro SD card slot, up to 512 GB	Built-in Micro SD card slot, up to 512 GB	Built-in Micro SD card slot, up to 512 GB
<b>Reset Button</b>	Yes	Yes	Yes	Yes(Built in)	Yes	Yes
<b>System compatibility</b>	ONVIF (Profile S/T), SDK, Milestone, P2P (Mutually exclusive with Onvif)	ONVIF (Profile S/T/G), SDK, P2P(Mutually exclusive with Onvif)	ONVIF (Profile S/T/G), SDK, P2P(Mutually exclusive with Onvif)	ONVIF (Profile S/T/G), SDK, P2P(Mutually exclusive with Onvif)	ONVIF (Profile S/T/G),SDK, CGI (IE), P2P(Mutually exclusive with Onvif)	ONVIF (Profile S/T/G),SDK, CGI (IE), P2P(Mutually exclusive with Onvif)
<b>IR LEDs</b>	2	2	2	8	4	2
<b>IR range</b>	Up to 50m	Up to 50m	Up to 30m	Up to 30m	Up to 80m	Up to 30m
<b>White LEDs Range</b>	10m	N/A	N/A	N/A	N/A	N/A
<b>Power supply</b>	DC 12V±25%	DC 12V±25%, PoE (802.3af)	DC 12V±25%, PoE (802.3af)	DC 12V±25%, PoE (802.3af)	DC 12V±25%, PoE (802.3af)	DC 12V±25%, PoE (802.3af)
<b>Protection Level</b>	IP67	IP67	IP66	IP66, IK10	IP67	IP66
<b>Working temperature</b>	-30°C-60°C, 0-95% RH	-35°C-65°C, 0-95% RH	-35°C-65°C, 0-95% RH	-35°C-65°C, 0-95% RH	-35°C-60°C, 0-95% RH	-35°C-60°C, 0-95% RH
<b>Material</b>	Metal+Plastic	Metal+Plastic	Metal+Plastic	Metal+Plastic	Metal	Metal

Model	 FULL	 FULL	 FULL
Model	TC-C32MS Spec:I3/A/E/Y/M/C/H/2.7-13.5mm/V4.0	TC-C32US Spec:I8/A/E/Y/M/C/H/2.7-13.5mm/V4.0	TC-C32SS Spec:I3/A/E/Y/M/C/H/2.7-13.5mm/V4.0
Image sensor	1/2.8" CMOS	1/2.8" CMOS	1/2.8" CMOS
Max.image resolution	2MP (1920x1080)@25fps	2MP (1920x1080)@25fps	2MP (1920x1080)@25fps
Min. illumination	Color: 0.002Lux@ (F1.6, AGC ON), B/W: 0Lux with IR	Color: 0.002Lux@ (F1.6, AGC ON), B/W: 0Lux with IR	Color: 0.002Lux@ (F1.6, AGC ON), B/W: 0Lux with IR
Lens	2.7-13.5mm	2.7-13.5mm	2.7-13.5mm
Video compression	S+265/H.265/H.264	S+265/H.265/H.264	S+265/H.265/H.264
WDR	2	2	2
Video Enhancement	120dB	120dB	120dB
Alarm Trigger	BLC/3D DNR/HLC	BLC/3D DNR/HLC	BLC/3D DNR/HLC
VCA	Tripwire, Perimeter	Tripwire, Perimeter	Tripwire, Perimeter
Audio I/O	1/1, Built-in Mic	1/1, Built-in Mic	1/1, Built-in Mic
Alarm I/O	1/1	1/1	1/1
Memory slot	Built-in Micro SD card slot, up to 512 GB	Built-in Micro SD card slot, up to 512 GB	Built-in Micro SD card slot, up to 512 GB
Reset Button	Yes(Built in)	Yes	Yes
System compatibility	ONVIF (Profile S/T/G),SDK, CGI (IE), P2P(Mutually exclusive with Onvif)	ONVIF (Profile S/T/G), SDK, CGI (IE), P2P(Mutually exclusive with Onvif)	ONVIF (Profile S/T/G), SDK, CGI (IE), P2P(Mutually exclusive with Onvif)
IR LEDs	18	4	2
IR range	Up to 30m	Up to 80m	Up to 30m
White LEDs Range	N/A	N/A	N/A
Power supply	DC 12V±25%, PoE (802.3af)	DC 12V±25%, PoE (802.3af)	DC 12V±25%, PoE (802.3af)
Protection Level	IP66, IK10	IP67	IP66
Working temperature	-35°C-65°C, 0-95% RH	-35°C-60°C, 0-95% RH	-35°C-60°C, 0-95% RH
Material	Metal	Metal	Metal







Model	 FULL	 FISHEYE
Model	TC-C35MS Spec: I3/A/E/Y/M/C/H/2.7-13.5mm/V4.0	TC-C35VN Spec:I3/E/Y/1.4mm/V4.2
Image sensor	1/2.8" CMOS	1/2.8" CMOS
Max.image resolution	5MP (2592x1944)@20fps	5MP (2592x1944)@25fps
Min. illumination	Color: 0.002Lux@ (F1.6, AGC ON), B/W: 0Lux with IR	Color: 0.02Lux@ (F1.6, AGC ON), B/W: 0Lux with IR
Lens	2.7-13.5mm	1.4mm
Video compression	S+265/H.265/H.264	S+265/H.265/H.264/M-JPEG
WDR	2	3
Video Enhancement	120dB	120dB
Alarm Trigger	BLC/3D DNR/HLC	BLC/3D DNR/HLC
VCA	Tripwire, Perimeter	Tripwire, Double Tripwire, Perimeter, Heatmap
Audio I/O	1/1, Built-in Mic	1/1, Built-in Mic
Alarm I/O	1/1	1/1
Memory slot	Built-in Micro SD card slot, up to 512 GB	Built-in Micro SD card slot, up to 512 GB
Reset Button	Yes(Built in)	N/A
System compatibility	ONVIF (Profile S/T/G), SDK, CGI (IE), P2P(Mutually exclusive with Onvif)	ONVIF (Profile S/T/G), SDK, Milestone, CGI, P2P
IR LEDs	18	3
IR range	Up to 30m	Up to 30m
White LEDs Range	N/A	N/A
Power supply	DC 12V±25%, PoE (802.3af)	DC 12V±25%, PoE (802.3af)
Protection Level	IP66, IK10	N/A
Working temperature	-35°C-60°C, 0-95% RH	-10°C-50°C, 0-95% RH
Material	Metal	Metal+Plastic







# IPC Pro






Pro Line, as the prime product line of Tiandy, features Starlight/Super Starlight, face capture, advanced intelligent analytics, multi-interface, plugin free and can be applied to small and medium business and various industry projects. 2MP/4MP/5MP/8MP bullet camera, dome camera and turret camera, with fixed or motorized lens, are all available in pro line.












Model						
	TC-C32PS Spec:13/E/Y/M/H/2.8mm/V4.2 TC-C32PS Spec:13/E/Y/M/H/4mm/V4.2	TC-C35PS Spec:13/E/Y/M/H/2.8mm/V4.2 TC-C35PS Spec:13/E/Y/M/H/4mm/V4.2	TC-C32WS Spec: 15/E/Y/M/S/H/2.8mm/V4.0 TC-C32WS Spec:15/E/Y/M/S/H/4mm/V4.0	TC-C32XS Spec: 13/E/Y/M/S/H/2.8mm/V4.0	TC-C32US Spec: 18/A/E/Y/M/S/H/2.7-13.5mm/V4.0	TC-C32SS Spec: 13/A/E/Y/M/C/H/2.7-13.5mm/V4.0
<b>Image sensor</b>	1/2.8" CMOS	1/2.8" CMOS	1/2.8" CMOS	1/2.8" CMOS	1/2.8" CMOS	1/2.8" CMOS
<b>Max.image resolution</b>	2MP(1920×1080)@25fps	5MP(2880×1620)@25fps	2MP (1920×1080)@25fps	2MP (1920×1080)@25fps	2MP (1920×1080)@25fps	2MP (1920×1080)
<b>Min. illumination</b>	Color: 0.002Lux@ (F1.6, AGC ON), B/W: 0Lux with IR	Color: 0.002Lux@ (F1.6, AGC ON), B/W: 0Lux with IR	Color: 0.002Lux@ (F1.6, AGC ON), B/W: 0Lux with IR	Color: 0.002Lux@ (F1.6, AGC ON), B/W: 0Lux with IR	Color: 0.002Lux@ (F1.6, AGC ON), B/W: 0Lux with IR	Color: 0.002Lux@ (F1.6, AGC ON), B/W: 0Lux with IR
<b>Lens</b>	2.8mm/4mm	2.8mm/4mm	2.8mm/4mm	2.8mm	2.7-13.5mm	2.7-13.5mm
<b>Video compression</b>	S+265/H.265/H.264/M-JPEG	S+265/H.265/H.264/M-JPEG	S+265/H.265/H.264/M-JPEG	S+265/H.265/H.264/M-JPEG	S+265/H.265/H.264/M-JPEG	S+265/H.265/H.264/M-JPEG
<b>Streams</b>	3	3	3	3	3	3
<b>WDR</b>	120dB	120dB	120dB	120dB	120dB	120dB
<b>Video Enhancement</b>	BLC/3D DNR/HLC/Corridor Format	BLC/3D DNR/HLC/Corridor Format	BLC/3D DNR/HLC	BLC/3D DNR/HLC	BLC/3D DNR/HLC	BLC/3D DNR/HLC
<b>VCA</b>	Tripwire, Perimeter, Human/Vehicle Classification	Tripwire, Perimeter, Human/Vehicle Classification	Tripwire, Perimeter, Human/Vehicle Classification	Tripwire, Perimeter, Human/Vehicle Classification	Tripwire, Perimeter, Human/Vehicle Classification	Tripwire, Perimeter, Human/Vehicle Classification
<b>Audio I/O</b>	1/1, Built-in Mic	1/1, Built-in Mic	1/1, Built-in Mic	1/1, Built-in Mic	1/1, Built-in Mic	1/1, Built-in Mic
<b>Alarm I/O</b>	1/1	1/1	1/1	1/1	1/1	1/1
<b>Memory slot</b>	Built-in Micro SD card slot, up to 512 GB	Built-in Micro SD card slot, up to 512 GB	Built-in Micro SD card slot, up to 512 GB	Built-in Micro SD card slot, up to 512 GB	Built-in Micro SD card slot, up to 512 GB	Built-in Micro SD card slot, up to 512 GB
<b>System compatibility</b>	ONVIF (Profile S/T/G/M), SDK, Milestone, CGI, P2P	ONVIF (Profile S/T/G/M), SDK, Milestone, CGI, P2P	ONVIF (Profile S/T/G/M), SDK, Milestone, CGI, P2P	ONVIF (Profile S/T/G/M), SDK, Milestone, CGI, P2P	ONVIF (Profile S/T/G/M), SDK, Milestone, CGI, P2P	ONVIF (Profile S/T/G/M), SDK, Milestone, CGI, P2P
<b>IR LEDs</b>	2	2	2	2	4	2
<b>IR range</b>	Up to 30m	Up to 30m	Up to 50m	Up to 30m	Up to 80m	Up to 30m
<b>White LEDs Range</b>	N/A	N/A	N/A	N/A	N/A	N/A
<b>Power supply</b>	DC 12V±25%, PoE (802.3af)	DC 12V±25%, PoE (802.3af)	DC 12V±25%, PoE (802.3af)	DC 12V±25%, PoE (802.3af)	DC 12V±25%, PoE (802.3af)	DC 12V±25%, PoE (802.3af)
<b>Protection Level</b>	IP67, IK10	IP67, IK10	IP67	IP66	IP67	IP66
<b>Working temperature</b>	-35°C-65°C, 0-95% RH	-40°C-65°C, 0-95% RH	-40°C-65°C, 0-95% RH	-40°C-65°C, 0-95% RH	-35°C-60°C, 0-95% RH	-35°C-65°C, 0-95% RH
<b>Material</b>	Metal	Metal	Metal	Metal	Metal	Metal

Model	 SMD	 SMD	 SMD	 SMD	 SMD	 SMD
<b>Image sensor</b>	1/2.8" CMOS	1/2.8" CMOS	1/2.8" CMOS	1/2.8" CMOS	1/2.8" CMOS	1/2.8" CMOS
<b>Max.image resolution</b>	2MP (1920x1080)@25fps	5MP (2880x1620)@25fps	5MP (2880x1620)@25fps	5MP (2880x1620)@25fps	5MP (2880x1620)@25fps	5MP (2880x1620)@25fps
<b>Min. illumination</b>	Color: 0.002Lux@ (F1.6, AGC ON), B/W: 0Lux with IR	Color: 0.002Lux@ (F1.6, AGC ON), B/W: 0Lux with IR	Color: 0.002Lux@ (F1.6, AGC ON), B/W: 0Lux with IR	Color: 0.002Lux@ (F1.6, AGC ON), B/W: 0Lux with IR	Color: 0.002Lux@ (F1.6, AGC ON), B/W: 0Lux with IR	Color: 0.002Lux@ (F1.6, AGC ON), B/W: 0Lux with IR
<b>Lens</b>	2.7-13.5mm	2.8mm/4mm	2.8mm	2.8mm	2.7-13.5mm	2.7-13.5mm
<b>Video compression</b>	S+265/H.265/H.264/M-JPEG	S+265/H.265/H.264/M-JPEG	S+265/H.265/H.264/M-JPEG	S+265/H.265/H.264/M-JPEG	S+265/H.265/H.264/M-JPEG	S+265/H.265/H.264/M-JPEG
<b>Streams</b>	3	3	3	3	3	3
<b>WDR</b>	120dB	120dB	120dB	120dB	120dB	120dB
<b>Video Enhancement</b>	BLC/3D DNR/HLC	BLC/3D DNR/HLC	BLC/3D DNR/HLC	BLC/3D DNR/HLC	BLC/3D DNR/HLC	BLC/3D DNR/HLC
<b>VCA</b>	Tripwire, Perimeter, Human/Vehicle Classification	Tripwire, Perimeter, Human/Vehicle Classification	Tripwire, Perimeter, Human/Vehicle Classification	Tripwire, Perimeter, Human/Vehicle Classification	Tripwire, Perimeter, Human/Vehicle Classification	Tripwire, Perimeter, Human/Vehicle Classification
<b>Audio I/O</b>	1/1, Built-in Mic	1/1, Built-in Mic	1/1, Built-in Mic	1/1, Built-in Mic	1/1, Built-in Mic	1/1, Built-in Mic
<b>Alarm I/O</b>	1/1	1/1	1/1	1/1	1/1	1/1
<b>Memory slot</b>	Built-in Micro SD card slot, up to 512 GB	Built-in Micro SD card slot, up to 512 GB	Built-in Micro SD card slot, up to 512 GB	Built-in Micro SD card slot, up to 512 GB	Built-in Micro SD card slot, up to 512 GB	Built-in Micro SD card slot, up to 512 GB
<b>System compatibility</b>	ONVIF (Profile S/T/G/M), SDK, Milestone, CGI, P2P	ONVIF (Profile S/T/G/M), SDK, Milestone, CGI, P2P	ONVIF (Profile S/T/G/M), SDK, Milestone, CGI, P2P	ONVIF (Profile S/T/G/M), SDK, Milestone, CGI, P2P	ONVIF (Profile S/T/G/M), SDK, Milestone, CGI, P2P	ONVIF (Profile S/T/G/M), SDK, Milestone, CGI, P2P
<b>IR LEDs</b>	18	2	2	8	4	2
<b>IR range</b>	Up to 30m	Up to 50m	Up to 30m	Up to 30m	Up to 80m	Up to 30m
<b>White LEDs Range</b>	N/A	N/A	N/A	N/A	N/A	N/A
<b>Power supply</b>	DC 12V±25%, PoE (802.3af)	DC 12V±25%, PoE (802.3af)	DC 12V±25%, PoE (802.3af)	DC 12V±25%, PoE (802.3af)	DC 12V±25%, PoE (802.3af)	DC 12V±25%, PoE (802.3af)
<b>Protection Level</b>	IP66, IK10	IP67	IP66	IP66, IK10	IP67	IP66
<b>Working temperature</b>	-35°C-65°C, 0-95% RH	-40°C-65°C, 0-95% RH	-40°C-65°C, 0-95% RH	-40°C-65°C, 0-95% RH	-35°C-65°C, 0-95% RH	-35°C-65°C, 0-95% RH
<b>Material</b>	Metal	Metal	Metal	Metal	Metal	Metal

Model	 SMD	 W-COLOR MAKER	 W-COLOR MAKER	 W-COLOR MAKER	 W-COLOR MAKER	 TURBO AI+
<b>Image sensor</b>	1/2.8" CMOS	1/2.8" CMOS	1/2.8" CMOS	1/2.8" CMOS	1/2.8" CMOS	1/2.8" CMOS
<b>Max.image resolution</b>	5MP (2880x1620)@25fps	5MP (2880x1620)@25fps	5MP (2880x1620)@25fps	8MP (3840x2160)@20fps	8MP (3840x2160)@20fps	5MP (2880x1620)@25fps
<b>Min. illumination</b>	Color: 0.002Lux@ (F1.6, AGC ON), B/W: 0Lux with IR	Color: 0.002Lux@ (F1.6, AGC ON), B/W: 0Lux with IR	Color: 0.002Lux@ (F1.6, AGC ON), B/W: 0Lux with IR	Color: 0.002Lux@ (F1.6, AGC ON), B/W: 0Lux with IR	Color: 0.002Lux@ (F1.6, AGC ON), B/W: 0Lux with IR	Color: 0.002Lux@ (F1.6, AGC ON), B/W: 0Lux with IR
<b>Lens</b>	2.7-13.5mm	2.8mm/4mm	2.8mm	2.8mm/4mm	2.8mm	2.8mm/4mm
<b>Video compression</b>	S+265/H.265/H.264/M-JPEG	S+265/H.265/H.264/M-JPEG	S+265/H.265/H.264/M-JPEG	S+265/H.265/H.264/M-JPEG	S+265/H.265/H.264/M-JPEG	S+265/H.265/H.264/M-JPEG
<b>Streams</b>	3	3	3	3	3	3
<b>WDR</b>	120dB	120dB	120dB	120dB	120dB	120dB
<b>Video Enhancement</b>	BLC/3D DNR/HLC	BLC/3D DNR/HLC	BLC/3D DNR/HLC	BLC/3D DNR/HLC	BLC/3D DNR/HLC	BLC/3D DNR/HLC/Corridor Format
<b>VCA</b>	Tripwire, Perimeter, Human/Vehicle Classification	Tripwire, Perimeter, Human/Vehicle Classification	Tripwire, Perimeter, Human/Vehicle Classification	Tripwire, Perimeter, Human/Vehicle Classification	Tripwire, Perimeter, Human/Vehicle Classification	Tripwire, Double Tripwire, Perimeter, Object Abandon, Object Lost, Loitering, Running, Parking, Crowded, People Counting, On Duty Detection, Video Abnormal, Heatmap, Face Capture(Face Detection), Safety Helmet Detection, Human/Vehicle Classification
<b>Audio I/O</b>	1/1, Built-in Mic	1/1, Built-in Mic	1/1, Built-in Mic	1/1, Built-in Mic	1/1, Built-in Mic	N/A
<b>Alarm I/O</b>	1/1	1/1	1/1	1/1	1/1	N/A
<b>Memory slot</b>	Built-in Micro SD card slot, up to 512 GB	Built-in Micro SD card slot, up to 512 GB	Built-in Micro SD card slot, up to 512 GB	Built-in Micro SD card slot, up to 512 GB	Built-in Micro SD card slot, up to 512 GB	Built-in Micro SD card slot, up to 512 GB
<b>System compatibility</b>	ONVIF (Profile S/T/G/M), SDK, Milestone, CGI, P2P	ONVIF (Profile S/T/G/M), SDK, Milestone, CGI, P2P	ONVIF (Profile S/T/G/M), SDK, Milestone, CGI, P2P	ONVIF (Profile S/T/G/M), SDK, Milestone, CGI, P2P	ONVIF (Profile S/T/G/M), SDK, Milestone, CGI, P2P	ONVIF (Profile S/T/G/M), SDK, Milestone, CGI, P2P
<b>IR LEDs</b>	18	2	2	2	2	2
<b>IR range</b>	Up to 30m	Up to 50m	Up to 50m	Up to 50m	Up to 50m	Up to 50m
<b>White LEDs Range</b>	N/A	10m	10m	10m	10m	N/A
<b>Power supply</b>	DC 12V±25%, PoE (802.3af)	DC 12V±25%, PoE (802.3af)	DC 12V±25%, PoE (802.3af)	DC 12V±25%, PoE (802.3af)	DC 12V±25%, PoE (802.3af)	DC 12V±25%, PoE (802.3af)
<b>Protection Level</b>	IP66, IK10	IP67	IP66	IP67	IP66	IP67
<b>Working temperature</b>	-35°C-65°C, 0-95% RH	-40°C-65°C, 0-95% RH	-40°C-65°C, 0-95% RH	-40°C-65°C, 0-95% RH	-40°C-65°C, 0-95% RH	-40°C-65°C, 0-95% RH
<b>Material</b>	Metal	Metal	Metal	Metal	Metal	Metal

Model						
	TC-C32JS Spec: 15/E/M/N/4mm /V4.1	TC-C32LS Spec:110/E/Y/M/5-50m/V4.2	TC-C35WS Spec: 15/E/Y/M/H/2.8mm/V4.1 TC-C35WS Spec: 15/E/Y/M/H/4mm/V4.1	TC-C35XS Spec: 13/E/Y/M/H/2.8mm/V4.1	TC-C35KS Spec: 13/E/Y/M/H/2.8mm/V4.1	TC-C38WS Spec: 15/E/Y/M/H/2.8mm /V4.0 TC-C38WS Spec: 15/E/Y/M/H/4mm/V4.0
<b>Image sensor</b>	1/2.8" CMOS	1/2.8" CMOS	1/2.8" CMOS	1/2.8" CMOS	1/2.8" CMOS	1/2.8" CMOS
<b>Max.image resolution</b>	2MP (1920×1080)@25fps	2MP(1920×1080)@25fps	5MP (2880×1620)@25fps	5MP (2880×1620)@25fps	5MP (2880×1620)@25fps	8MP (3840×2160)@25fps
<b>Min. illumination</b>	Color: 0.001Lux@ (F1.6, AGC ON), B/W: 0Lux with IR	Color: 0.002Lux@ (F1.6, AGC ON), B/W: 0Lux with IR	Color: 0.002Lux@ (F1.6, AGC ON), B/W: 0Lux with IR	Color: 0.002Lux@ (F1.6, AGC ON), B/W: 0Lux with IR	Color: 0.002Lux@ (F1.6, AGC ON), B/W: 0Lux with IR	Color: 0.01Lux@ (F1.6, AGC ON), B/W: 0Lux with IR
<b>Lens</b>	2.8mm/4mm	5-50mm	2.8mm/4mm	2.8mm	2.8mm	2.8mm/4mm
<b>Video compression</b>	S+265/H.265/H.264/M-JPEG	S+265/H.265/H.264/M-JPEG	S+265/H.265/H.264/M-JPEG	S+265/H.265/H.264/M-JPEG	S+265/H.265/H.264/M-JPEG	S+265/H.265/H.264/M-JPEG
<b>Streams</b>	3	3	3	3	3	3
<b>WDR</b>	120dB	120dB	120dB	120dB	120dB	120dB
<b>Video Enhancement</b>	BLC/3D DNR/HLC/Corridor Format	BLC/3D DNR/HLC	BLC/3D DNR/HLC/Corridor Format	BLC/3D DNR/HLC/Corridor Format	BLC/3D DNR/HLC/Corridor Format	BLC/3D DNR/HLC/Corridor Format
<b>VCA</b>	Tripwire, Double Tripwire, Perimeter, Object Abandon, Object Lost, Loitering, Running, Parking, Crowded, People Counting, On Duty Detection, Video Abnormal, Heatmap, Face Capture(Face Detection), Human/Vehicle Classification	Tripwire, Double Tripwire, Perimeter, Object Abandon, Object Lost, Loitering, Running, Parking, Crowded, On Duty Detection, Video Abnormal, Heatmap, Human/Vehicle Classification	Tripwire, Double Tripwire, Perimeter, Object Abandon, Object Lost, Loitering, Running, Parking, Crowded, People Counting, On Duty Detection, Video Abnormal, Heatmap, Audio Abnormal, Face Capture(Face Detection), Safety Helmet Detection, Human/Vehicle Classification	Tripwire, Double Tripwire, Perimeter, Object Abandon, Object Lost, Loitering, Running, Parking, Crowded, People Counting, On Duty Detection, Video Abnormal, Heatmap, Audio Abnormal, Face Capture(Face Detection), Safety Helmet Detection, Human/Vehicle Classification	Tripwire, Double Tripwire, Perimeter, Object Abandon, Object Lost, Loitering, Running, Parking, Crowded, People Counting, On Duty Detection, Video Abnormal, Heatmap, Audio Abnormal, Face Capture(Face Detection), Safety Helmet Detection, Human/Vehicle Classification	Tripwire, Double Tripwire, Perimeter, Object Abandon, Object Lost, Loitering, Running, Parking, Crowded, People Counting, On Duty Detection, Video Abnormal, Audio Abnormal, Heatmap, Safety Helmet Detection, Human/Vehicle Classification
<b>Audio I/O</b>	N/A	1/1, Built-in Mic	1/1, Built-in Mic	1/1, Built-in Mic	1/1, Built-in Mic	1/1, Built-in Mic
<b>Alarm I/O</b>	N/A	2/1	1/1	1/1	1/1	1/1
<b>Memory slot</b>	Built-in Micro SD card slot, up to 512 GB	Built-in Micro SD card slot, up to 512 GB	Built-in Micro SD card slot, up to 512 GB	Built-in Micro SD card slot, up to 512 GB	Built-in Micro SD card slot, up to 512 GB	Built-in Micro SD card slot, up to 512 GB
<b>System compatibility</b>	ONVIF (Profile S/T/G/M), SDK, Milestone, CGI, P2P	ONVIF (Profile S/T/G/M), SDK, Milestone, CGI, P2P	ONVIF (Profile S/T/G/M), SDK, Milestone, CGI, P2P	ONVIF (Profile S/T/G/M), SDK, Milestone, CGI, P2P	ONVIF (Profile S/T/G/M), SDK, Milestone, CGI, P2P	ONVIF (Profile S/T/G/M), SDK, Milestone, CGI, P2P
<b>IR LEDs</b>	2	5	2	2	8	2
<b>IR range</b>	Up to 50m	Up to 100m	Up to 50m	Up to 30m	Up to 30m	Up to 50m
<b>White LEDs Range</b>	N/A	N/A	N/A	N/A	N/A	N/A
<b>Power supply</b>	DC 12V±25%, PoE (802.3af)	DC 12V±25%, PoE (802.3af)	DC 12V±25%, PoE (802.3af)	DC 12V±25%, PoE (802.3af)	DC 12V±25%, PoE (802.3af)	DC 12V±25%, PoE (802.3af)
<b>Protection Level</b>	IP67	IP67	IP67	IP66	IP66, IK10	IP67
<b>Working temperature</b>	-40°C-65°C, 0-95% RH	-30°C-65°C, 0-95% RH	-40°C-65°C, 0-95% RH	-40°C-65°C, 0-95% RH	-40°C-65°C, 0-95% RH	-40°C-65°C, 0-95% RH
<b>Material</b>	Metal	Metal	Metal	Metal	Metal	Metal

Model						
	TC-C38XS Spec: 13/E/Y/M/H/2.8mm/V4.0	TC-C32TS Spec: 18/A/E/ Y/M/H/2.7-13.5mm/V4.1	TC-C32TP Spec:18/A/E/Y/M/H/2.7-13.5mm/V4.1	TC-C32MS Spec:15/A/E/Y/M/H/2.7-13.5mm/V4.1	TC-C35TS Spec: 18/A/E/Y/M/H/2.7-13.5mm/V4.1	TC-C35MS Spec: 15/A/E/Y/M/H/2.7-13.5mm/V4.1
<b>Image sensor</b>	1/2.8" CMOS	1/2.8" CMOS	1/2.8" CMOS	1/2.8" CMOS	1/2.8" CMOS	1/2.8" CMOS
<b>Max.image resolution</b>	8MP (3840×2160)@25fps	2MP (1920×1080)@25fps	2MP (1920×1080)@25fps	2MP (1920×1080)@25fps	5MP (2880×1620)@25fps	5MP (2880×1620)@25fps
<b>Min. illumination</b>	Color: 0.01Lux@ (F1.6, AGC ON), B/W: 0Lux with IR	Color: 0.001Lux@ (F1.6, AGC ON), B/W: 0Lux with IR	Color:0.0004Lux@ (F1.2, AGC ON), B/W: 0Lux with IR	Color:0.001Lux@ (F1.6, AGC ON), B/W: 0Lux with IR	Color: 0.001Lux@ (F1.6, AGC ON), B/W: 0Lux with IR	Color: 0.001Lux@ (F1.6, AGC ON), B/W: 0Lux with IR
<b>Lens</b>	2.8mm	2.7-13.5mm	2.7-13.5mm	2.7-13.5mm	2.7-13.5mm	2.7-13.5mm
<b>Video compression</b>	S+265/H.265/H.264/M-JPEG	S+265/H.265/H.264/M-JPEG	S+265/H.265/H.264/M-JPEG	S+265/H.265/H.264/M-JPEG	S+265/H.265/H.264/M-JPEG	S+265/H.265/H.264/M-JPEG
<b>Streams</b>	3	3	3	3	3	3
<b>WDR</b>	120dB	120dB	120dB	120dB	120dB	120dB
<b>Video Enhancement</b>	BLC/3D DNR/HLC/Corridor Format	BLC/3D DNR/HLC/Corridor Format	BLC/3D DNR/HLC/Corridor Format	BLC/3D DNR/HLC/Corridor Format	BLC/3D DNR/HLC/Corridor Format	BLC/3D DNR/HLC/Corridor Format
<b>VCA</b>	Tripwire, Double Tripwire, Perimeter, Object Abandon, Object Lost, Loitering, Running, Parking, Crowded, People Counting, On Duty Detection, Video Abnormal, Audio Abnormal, Heatmap, Safety Helmet Detection, Human/Vehicle Classification	Tripwire, Double Tripwire, Perimeter, Object Abandon, Object Lost, Loitering, Running, Parking, Crowded, People Counting, On Duty Detection, Video Abnormal, Audio Abnormal, Heatmap, Face Capture (Face Detection)	Tripwire, Double Tripwire, Perimeter, Object Abandon, Object Lost, Loitering, Running, Parking, Crowded, People Counting, On Duty Detection, Video Abnormal, Audio Abnormal, Heatmap, Face Capture (Face Detection)	Tripwire, Double Tripwire, Perimeter, Object Abandon, Object Lost, Loitering, Running, Parking, Crowded, People Counting, On Duty Detection, Video Abnormal, Audio Abnormal, Heatmap, Face Capture (Face Detection)	Tripwire, Double Tripwire, Perimeter, Object Abandon, Object Lost, Loitering, Running, Parking, Crowded, Parking, Crowded, People Counting, On Duty Detection, Video Abnormal, Audio Abnormal, Heatmap, Face Capture(Face Detection), Safety Helmet Detection, Human/Vehicle Classification	Tripwire, Double Tripwire, Perimeter, Object Abandon, Object Lost, Loitering, Running, Parking, Crowded, People Counting, On Duty Detection, Video Abnormal, Audio Abnormal, Heatmap, Face Capture(Face Detection), Safety Helmet Detection, Human/Vehicle Classification
<b>Audio I/O</b>	1/1, Built-in Mic	1/1, Built-in Mic	1/1, Built-in Mic	1/1, Built-in Mic	1/1, Built-in Mic	1/1, Built-in Mic
<b>Alarm I/O</b>	1/1	2/1	2/1	2/1	2/1	2/1
<b>Memory slot</b>	Built-in Micro SD card slot, up to 512 GB	Built-in Micro SD card slot, up to 512 GB	Built-in Micro SD card slot, up to 512 GB	Built-in Micro SD card slot, up to 512 GB	Built-in Micro SD card slot, up to 512 GB	Built-in Micro SD card slot, up to 512 GB
<b>System compatibility</b>	ONVIF (Profile S/T/G/M), SDK, Milestone, CGI, P2P	ONVIF (Profile S/T/G/M), SDK, Milestone, CGI, P2P	ONVIF (Profile S/T/G/M), SDK, Milestone, CGI, P2P	ONVIF (Profile S/T/G/M), SDK, Milestone, CGI, P2P	ONVIF (Profile S/T/G/M), SDK, Milestone, CGI, P2P	ONVIF (Profile S/T/G/M), SDK, Milestone, CGI, P2P
<b>IR LEDs</b>	2	4	4	18	4	18
<b>IR range</b>	Up to 30m	Up to 80m	Up to 80m	Up to 50m	Up to 80m	Up to 50m
<b>White LEDs Range</b>	N/A	N/A	N/A	N/A	N/A	N/A
<b>Power supply</b>	DC 12V±25%, PoE (802.3af)	DC 12V±25%, PoE (802.3af)	DC 12V±25%, PoE (802.3af)	DC 12V±25%, PoE (802.3af)	DC 12V±25%, PoE (802.3af)	DC 12V±25%, PoE (802.3af)
<b>Protection Level</b>	IP66	IP67	IP67	IP66, IK10	IP67	IP66, IK10
<b>Working temperature</b>	-40°C-65°C, 0-95% RH	-35°C-65°C, 0-95% RH	-35°C-65°C, 0-95% RH	-35°C-65°C, 0-95% RH	-35°C-65°C, 0-95% RH	-35°C-65°C, 0-95% RH
<b>Material</b>	Metal	Metal	Metal	Metal	Metal	Metal

Model	 TURBO AI	 TURBO AI	 TURBO AI
	TC-C38TS Spec: I8/A/E/Y/M/H/2.7-13.5mm/V4.0	TC-C38SS Spec: I5/A/E/Y/M/H/2.7-13.5mm/V4.0	TC-C38MS Spec: I5/A/E/Y/M/H/2.7-13.5mm/V4.0
Image sensor	1/2.8" CMOS	1/2.8" CMOS	1/2.8" CMOS
Max. image resolution	8MP (3840×2160)@25fps	8MP (3840×2160)@25fps	8MP (3840×2160)@25fps
Min. illumination	Color: 0.01Lux@ (F1.6, AGC ON), B/W: 0Lux with IR	Color: 0.01Lux@ (F1.6, AGC ON), B/W: 0Lux with IR	Color: 0.01Lux@ (F1.6, AGC ON), B/W: 0Lux with IR
Lens	2.7-13.5mm	2.7-13.5mm	2.7-13.5mm
Video compression	S+265/H.265/H.264/M-JPEG	S+265/H.265/H.264/M-JPEG	S+265/H.265/H.264/M-JPEG
Streams	3	3	3
WDR	120dB	120dB	120dB
Video Enhancement	BLC/3D DNR/HLC/Corridor Format	BLC/3D DNR/HLC/Corridor Format	BLC/3D DNR/HLC/Corridor Format
VCA	Tripwire, Double Tripwire, Perimeter, Object Abandon, Object Lost, Loitering, Running, Parking, Crowded, People Counting, On Duty Detection, Video Abnormal, Audio Abnormal, Heatmap, Safety Helmet Detection, Human/Vehicle Classification	Tripwire, Double Tripwire, Perimeter, Object Abandon, Object Lost, Loitering, Running, Parking, Crowded, People Counting, On Duty Detection, Video Abnormal, Audio Abnormal, Heatmap, Safety Helmet Detection, Human/Vehicle Classification	Tripwire, Double Tripwire, Perimeter, Object Abandon, Object Lost, Loitering, Running, Parking, Crowded, People Counting, On Duty Detection, Video Abnormal, Audio Abnormal, Heatmap, Safety Helmet Detection, Human/Vehicle Classification
Audio I/O	1/1, Built-in Mic	1/1, Built-in Mic	1/1, Built-in Mic
Alarm I/O	2/1	2/1	2/1
Memory slot	Built-in Micro SD card slot, up to 512 GB	Built-in Micro SD card slot, up to 512 GB	Built-in Micro SD card slot, up to 512 GB
System compatibility	ONVIF (Profile S/T/G/M), SDK, Milestone, CGI, P2P	ONVIF (Profile S/T/G/M), SDK, Milestone, CGI, P2P	ONVIF (Profile S/T/G/M), SDK, Milestone, CGI, P2P
IR LEDs	4	2	18
IR range	Up to 80m	Up to 50m	Up to 50m
White LEDs Range	N/A	N/A	N/A
Power supply	DC 12V±25%, PoE (802.3af)	DC 12V±25%, PoE (802.3af)	DC 12V±25%, PoE (802.3af)
Protection Level	IP67	IP66	IP66, IK10
Working temperature	-35°C-65°C, 0-95% RH	-35°C-65°C, 0-95% RH	-35°C-65°C, 0-95% RH
Material	Metal	Metal	Metal

## IPC Ultra

Ultra-Line is the high-end product line, in which 2MP/5MP/8MP bullet and dome camera with fixed/varifocal lens and 12MP fisheye camera are available. Ultra line, equipped with "Super Starlight" technology, early warning function as well as video analytics, is widely used in medium and large business projects.





	TC-C35LP Spec:18W/A/E/Y/M/H/2.7-13.5mm/V4.0	TC-C35MP Spec:15W/A/E/Y/M/H/2.7-13.5mm/V4.0	TC-C34LQ Spec:13W/A/E/Y/M/H/2.8-12mm/V4.2
<b>Image sensor</b>	1/1.8" CMOS	1/1.8" CMOS	1/1.8" CMOS
<b>Max.image resolution</b>	5MP (3072×1728)@25fps	5MP (3072×1728)@25fps	5MP (2560×1440)@25fps
<b>Min. illumination</b>	Color:0.0004Lux@ (F1.3, AGC ON), B/W:0Lux with IR	Color:0.0004Lux@ (F1.3, AGC ON), B/W:0Lux with IR	Color:0.0004Lux@ (F1.3, AGC ON), B/W:0Lux with IR
<b>Lens</b>	2.7-13.5mm	2.7-13.5mm	2.8-12mm
<b>Video compression</b>	S+265/H.265/H.264/M-JPEG	S+265/H.265/H.264/M-JPEG	S+265/H.265/H.264/M-JPEG
<b>Streams</b>	3	3	3
<b>WDR</b>	120dB	120dB	120dB
<b>Video Enhancement</b>	BLC/3D DNR/HLC/Corridor Format	BLC/3D DNR/HLC/Corridor Format	BLC/3D DNR/HLC
<b>VCA</b>	Tripwire, Double Tripwire, Perimeter, Object Abandon, Object Lost, Loitering, Running, Parking, Crowded, People Counting, On Duty Detection, Video Abnormal, Audio Abnormal, Heatmap, Face Capture(Face Detection), Safety Helmet Detection, Human/Vehicle Classification	Tripwire, Double Tripwire, Perimeter, Object Abandon, Object Lost, Loitering, Running, Parking, Crowded, People Counting, On Duty Detection, Video Abnormal, Audio Abnormal, Heatmap, Face Capture(Face Detection), Safety Helmet Detection, Human/Vehicle Classification	Vehicle video detection,Strange license plate detection, License plate library comparison
<b>Audio I/O</b>	1/1, Built-in Mic	1/1, Built-in Mic	1/1, Built-in Mic
<b>Alarm I/O</b>	2/1	2/1	2/1
<b>Memory slot</b>	Built-in Micro SD card slot, up to 512 GB	Built-in Micro SD card slot, up to 512 GB	Built-in Micro SD card slot, up to 512 GB
<b>System compatibility</b>	ONVIF (Profile S/T/G), SDK, Milestone, CGI, P2P	ONVIF (Profile S/T/G), SDK, Milestone, CGI, P2P	ONVIF (Profile S/T/G), SDK, Milestone, CGI, P2P
<b>IR LEDs</b>	4	14	4
<b>IR range</b>	Up to 80m	Up to 50m	Up to 30m
<b>White LEDs Range</b>	10m	10m	10m
<b>Power supply</b>	DC 12V±25%, PoE (802.3af)	DC 12V±25%, PoE (802.3af)	DC 12V±25%, PoE (802.3af)
<b>Protection Level</b>	IP67	IP66, IK10	IP67
<b>Working temperature</b>	-35°C-65°C, 0-95% RH	-35°C-65°C, 0-95% RH	-35°C-65°C, 0-95% RH
<b>Material</b>	Metal	Metal	Metal




## PTZ SMD

Smart Motion Detection (abbreviated as SMD) series PTZ are based on deep learning algorithm which supports Human/Vehicle classification, and VCA fuctions that could trigger alarms when person or vehicle has been detected. Embedded CMOS chip, the video with real-time 1920 x 1080 resolution becomes possible. As entry level product, SMD series PTZ are equipped with "Starlight" technology, so that they can provide high quality picture for project use.





PTZ SMD




Model	 SMD	 SMD	 SMD
	TC-H324S Spec:23X/I/E/V3.0	TC-H324S Spec:23X/I/E/V3.0	TC-H324S Spec:25X/I/E/V3.0
<b>Image sensor</b>	1/2.8" CMOS	1/2.8" CMOS	1/2.8" CMOS
<b>Max. Resolution</b>	2MP (1920x1080)@25fps	2MP (1920x1080)@25fps	2MP (1920x1080)@25fps
<b>Min. illumination</b>	Color: 0.001lux@ (F1.5, AGC ON), B/W: 0lux with IR	Color: 0.001lux@ (F1.5, AGC ON), B/W: 0lux with IR	Color: 0.001lux@ (F1.5, AGC ON), B/W: 0lux with IR
<b>WDR</b>	120dB	120dB	120dB
<b>Optical Zoom</b>	23X	23X	25X
<b>Digital Zoom</b>	N/A	N/A	16X
<b>Video Compression</b>	S+265/H.265/H.264/M-JPEG	S+265/H.265/H.264/M-JPEG	S+265/H.265/H.264/M-JPEG
<b>Cruise</b>	16, up to 32 presets per cruise	16, up to 32 presets per cruise	16, up to 32 presets per cruise
<b>Preset</b>	500	500	500
<b>Auto-Tracking</b>	N/A	N/A	N/A
<b>Early Warning(EW)</b>	N/A	N/A	N/A
<b>Video Enhancement</b>	BLC/3D DNR/HLC	BLC/3D DNR/HLC	BLC/3D DNR/HLC
<b>VCA</b>	Tripwire, Double Tripwire, Perimeter, Object Abandon Object Lost, Heatmap, Video Abnormal Human/Vehicle Classification	Tripwire, Double Tripwire, Perimeter, Object Abandon Object Lost, Heatmap, Video Abnormal, Audio Abnormal Human/Vehicle Classification	Tripwire, Double Tripwire, Perimeter, Object Abandon, Object Lost, People Counting, Video Abnormal, Audio Abnormal, Human/Vehicle Classification
<b>Audio I/O</b>	N/A	1/1	1/1
<b>Alarm I/O</b>	N/A	1/1	1/1
<b>Memory slot</b>	Built-in Micro SD card slot, up to 512 GB	Built-in Micro SD card slot, up to 512 GB	Built-in Micro SD card slot, up to 512 GB
<b>System compatibility</b>	ONVIF (PROFILE S/T/G/M), SDK, CGI, P2P	ONVIF (PROFILE S/T/G/M), SDK, CGI, P2P	ONVIF (PROFILE S/T/G/M), SDK, CGI, P2P
<b>IR LEDs</b>	7	7	6
<b>IR Range</b>	150m	150m	150m
<b>White LEDs Range</b>	N/A	N/A	N/A
<b>Laser</b>	N/A	N/A	N/A
<b>Power supply</b>	DC12V±10%/POE+(IEEE802.3 at)	DC12V±10%/POE+(IEEE802.3 at)	DC12V±10%/POE+(IEEE802.3 at)
<b>Waterproof&amp; dustproof</b>	IP66 , TVS 6000V lightning protection, surge protection and voltage transient protection	IP66 , TVS 6000V lightning protection, surge protection and voltage transient protection	IP66 , TVS 6000V lightning protection, surge protection and voltage transient protection
<b>Working temperature</b>	-30°C-65°C (IR OFF), -30°C-40°C (IR ON), 0-95%RH	-30°C-65°C (IR OFF), -30°C-40°C (IR ON), 0-95%RH	-30°C-65°C (IR OFF), -30°C-40°C (IR ON), 0-95%RH

## PTZ TURBO AI+

Turbo AI+ series PTZ with starlight technology aim to meet requirements for higher image quality and dark surveillance environment. Tiandy diverse models can satisfy different requirements and applications. In addition to the SMD function, this series has also added the AI face capture function. All products of Turbo AI+ series are standard with TWDR. Compared with ordinary images, TWDR can better reflect the visual effects of the real environment. Almost all of the products in this series support tracking which is powerful and easy to use.



PTZ TURBO AI+

Model	 TURBO AI+	 TURBO AI+	 TURBO AI+	 TURBO AI+	 TURBO AI+
	TC-H354S Spec:23X/I/E/V3.1	TC-H324S Spec:25X/I/E/A/V/V3.0	TC-H326S Spec:33X/I/E+/A/V3.0	TC-H326S Spec: 33X/I/E++/A	TC-H356S Spec: 30X/I/E++/A/V3.0
<b>Image sensor</b>	1/2.8" CMOS	1/2.8" CMOS	1/2.8" CMOS	1/2.8" CMOS	1/2.8" CMOS
<b>Max. Resolution</b>	5MP (2880x1620)@25fps	2MP (1920x1080)@25fps	2MP (1920x1080)@25fps	2MP (1920x1080)@50fps	5MP (2880x1620)@25fps
<b>Min. Illumination</b>	Color:0.001lux@ (F1.6,AGC ON),B/W: 0lux with IR	Color:0.001lux@ (F1.5,AGC ON),B/W: 0lux with IR	Color:0.001lux@ (F1.5,AGC ON),B/W: 0lux with IR	Color:0.001lux@ (F1.5,AGC ON),B/W: 0lux with IR	Color:0.001lux@ (F1.6,AGC ON),B/W: 0lux with IR
<b>WDR</b>	120dB	120dB	120dB	120dB	120dB
<b>Optical Zoom</b>	23X	25X	33X	33X	30X
<b>Digital Zoom</b>	16X	16X	16X	16X	16X
<b>Video Compression</b>	S+265/H.265/H.264/M-JPEG	S+265/H.265/H.264/M-JPEG	S+265/H.265/H.264/M-JPEG	S+265/H.265/H.264/M-JPEG	S+265/H.265/H.264/M-JPEG
<b>Cruise</b>	16, up to 32 presets per cruise	16, up to 32 presets per cruise	16, up to 32 presets per cruise	16, up to 32 presets per cruise	16, up to 32 presets per cruise
<b>Preset</b>	500	500	500	500	500
<b>Auto-Tracking</b>	N/A	Yes	Yes	Yes	Yes
<b>Early Warning(EW)</b>	N/A	N/A	N/A	N/A	N/A
<b>Video Enhancement</b>	BLC/3D DNR/HLC	BLC/3D DNR/HLC	BLC/3D DNR/HLC	BLC/3D DNR/HLC	BLC/3D DNR/HLC
<b>VCA</b>	Tripwire, Double Tripwire, Perimeter, Object Abandon, Object Lost, Loitering, Running, Parking, Heatmap, crowd, People Counting, On Duty Detection, Safety Helmet Detection, Video Abnormal, Audio Abnormal, Face Capture, Human/Vehicle Classification	Tripwire, Double Tripwire, Perimeter, Object Abandon, Object Lost, Loitering, Running, Parking, Heatmap, crowd, People Counting, On Duty Detection, Video Abnormal, Audio Abnormal, Face Capture, Human/Vehicle Classification	Tripwire, Double Tripwire, Perimeter, Object Abandon, Object Lost, Loitering, Running, Parking, Heatmap, crowd, People Counting, On Duty Detection, Safety Helmet Detection, Video Abnormal, Audio Abnormal, Face Capture, Human/Vehicle Classification	Tripwire, Double Tripwire, Perimeter, Object Abandon, Object Lost, Loitering, Running, Parking, Heatmap, crowd, People Counting, On Duty Detection, Video Abnormal, Audio Abnormal, Face Capture, Human/Vehicle Classification	Tripwire, Double Tripwire, Perimeter, Object Abandon, Object Lost, Loitering, Running, Parking, Heatmap, crowd, People Counting, On Duty Detection, Safety Helmet Detection, Video Abnormal, Audio Abnormal, Face Capture, Human/Vehicle Classification
<b>Audio I/O</b>	1/1	1/1	1/1	1/1	1/1
<b>Alarm I/O</b>	1/1	1/1	1/1	8/2	8/2
<b>Memory slot</b>	Built-in Micro SD card slot, up to 512 GB	Built-in Micro SD card slot, up to 512 GB	Built-in Micro SD card slot, up to 512 GB	Built-in Micro SD card slot, up to 256 GB	Built-in Micro SD card slot, up to 512 GB
<b>System compatibility</b>	ONVIF (PROFILE S/T/G/M), SDK, CGI, P2P	ONVIF (PROFILE S/T/G/M), SDK, CGI, P2P	ONVIF (PROFILE S/T/G/M), SDK, CGI, P2P	ONVIF (PROFILE S/T/G), SDK, CGI, P2P	ONVIF (PROFILE S/T/G/M), SDK, CGI, P2P
<b>IR LEDs</b>	7	6	10	10	10
<b>IR Range</b>	150m	150m	200m	200m	200m
<b>White LEDs Range</b>	N/A	N/A	N/A	N/A	N/A
<b>Laser</b>	N/A	N/A	N/A	N/A	N/A
<b>Power supply</b>	DC12V±10%/POE+(IEEE802.3 at)	DC12V±10%/POE+(IEEE802.3 at)	DC12V±10%/POE+(IEEE802.3 at)	AC24V±25%/POE++(IEEE802.3bt)	AC24V±25%/POE++(IEEE802.3 bt)
<b>Waterproof&amp; dustproof</b>	IP66, TVS 6000V lightning protection, surge protection and voltage transient protection	IP66, TVS 6000V lightning protection, surge protection and voltage transient protection	IP66, TVS 6000V lightning protection, surge protection and voltage transient protection	IP66, TVS 6000V lightning protection, surge protection and voltage transient protection	IP66, TVS 6000V lightning protection, surge protection and voltage transient protection
<b>Working temperature</b>	-30°C-65°C (IR OFF), -30°C-40°C (IR ON), 0-95%RH	-30°C-65°C (IR OFF), -30°C-40°C (IR ON), 0-95%RH	-40°C-70°C (IR OFF), -40°C-40°C (IR ON), 0-95%RH	-40°C-65°C (IR OFF), -40°C-40°C (IR ON), 0-95%RH	-40°C-70°C (IR OFF), -40°C-40°C (IR ON), 0-95%RH




# PTZ AEW

EW (Also known as Early Warning) series PTZ are our high-end products which integrate sound and light warning. It can achieve early warning, intervention, retrieval after the triggered event. Early warning support alarm results in three levels of warning, sound warning, white light flashing warning, laser threatening warning. Vigilance and awe, active defense, let security return to its essence. All EW series support tracking, and they have three tracking way: panorama tracking, manual tracking, and alarm triggered tracking. Our standard products also equipped with wiper which can be operated remotely to ensure clear windows.



PTZ AEW

PTZ TURBO AI+

Model	 AEW TC-H326M Spec:44X/I/W/A	 AEW TC-H356Q Spec: 30X/I/W/E++/AV/3.0	 AEW TC-A3563 Spec: 44X/I/A
<b>Image sensor</b>	1/1.8" CMOS	1/2.8" CMOS	1/1.8" CMOS
<b>Max. Resolution</b>	2MP (1920×1080)@25fps	5MP (2880×1620)@25fps	5MP (3072×1728)@20fps
<b>Min. illumination</b>	Color: 0.0008lux@ (F1.6, AGC ON),B/W: 0lux with IR	Color: 0.001lux@ (F1.6, AGC ON),B/W: 0lux with IR	Color: 0.0008Lux@ (F1.6, AGC ON)
<b>WDR</b>	120dB	120dB	120dB
<b>Optical Zoom</b>	44X	30X	44X
<b>Digital Zoom</b>	16X	16X	16X
<b>Video Compression</b>	S+265/H.265/H.264/M-JPEG	S+265/H.265/H.264/M-JPEG	S+265/H.265/H.264/M-JPEG
<b>Cruise</b>	16, up to 32 presets per cruise	16, up to 32 presets per cruise	16, up to 32 presets per cruise
<b>Preset</b>	500	500	500
<b>Auto-Tracking</b>	Yes	Yes	Yes
<b>Early Warning(EW)</b>	Yes	Yes	Yes
<b>Video Enhancement</b>	BLC/3D DNR/HLC	BLC/3D DNR/HLC	BLC/3D DNR/HLC
<b>VCA</b>	Tripwire, Double Tripwire, Perimeter, Object Abandon, Object Lost, Loitering, Running, Parking, Heatmap, crowd, People Counting, On Duty Detection, Safety Helmet Detection, Video Abnormal, Audio Abnormal, Face Capture, Human/Vehicle Classification	Tripwire, Double Tripwire, Perimeter, Object Abandon, Object Lost, Loitering, Running, Parking, Heatmap, crowd, People Counting, On Duty Detection, Safety Helmet Detection, Video Abnormal, Audio Abnormal, Face Capture, Human/Vehicle Classification	Tripwire, Double Tripwire, Perimeter, Object Abandon, Object Lost, Loitering, Running, Parking, Heatmap, crowd, People Counting, On Duty Detection, Safety Helmet Detection, Video Abnormal, Audio Abnormal, Face Capture, Human/Vehicle Classification
<b>Audio I/O</b>	1/1	1/1	1/1
<b>Alarm I/O</b>	8/2	8/2	8/2
<b>Memory slot</b>	Built-in Micro SD card slot, up to 256 GB	Built-in Micro SD card slot, up to 512 GB	Built-in Micro SD card slot, up to 128 GB
<b>System compatibility</b>	ONVIF (PROFILE S/T/G), SDK, CGI, P2P	ONVIF (PROFILE S/T/G/M), SDK, CGI, P2P	ONVIF (PROFILE S/T), SDK, CGI, P2P
<b>IR LEDs</b>	8	10	8
<b>IR Range</b>	180m	200m	180m
<b>White LEDs Range</b>	2	4	2
<b>Laser</b>	N/A	Yes	N/A
<b>Power supply</b>	AC24V±15%	AC24V±25%/POE++(IEEE802.3 bt)	AC24V±15%
<b>Waterproof&amp; dustproof</b>	IP66 , TVS 6000V lightning protection, surge protection and voltage transient protection	IP66 , TVS 6000V lightning protection, surge protection and voltage transient protection	IP66 , TVS 6000V lightning protection, surge protection and voltage transient protection
<b>Working temperature</b>	-30°C-70°C (IR OFF), -30°C-40°C (IR ON), 0-95%RH	-40°C-70°C (IR OFF), -40°C-40°C (IR ON), 0-95%RH	-30°C-70°C (IR OFF), -30°C-40°C (IR ON), 0-95%RH

## PTZ LASER

The laser series PTZ include 4MP and 8MP two kinds of products for us to choose, and both of them perform well in filling light of medium and long distance. One of them focuses on super telephoto lenses, and the other one focuses on high-resolution. All series support long range laser, close range infrared, smooth transition between close and long range lighting effects. All products feature a large 1/1.8" sensor for better performance in dark ambient conditions.





LASER

TC-H348M Spec: 63X/IL/E++/A



LASER

TC-H388M Spec: 44X/IL/E++/A

Model	TC-H348M Spec: 63X/IL/E++/A	TC-H388M Spec: 44X/IL/E++/A
<b>Image sensor</b>	1/1.8" CMOS	1/1.8" CMOS
<b>Max. Resolution</b>	4MP (2560x1440)@25fps	8MP (3840x2160)@25fps
<b>Min. illumination</b>	Color: 0.001lux@ (F1.6,AGC ON),B/W:0.0001lux@ (F1.6,AGC ON),0lux with IR	Color: 0.001lux@ (F1.6,AGC ON),B/W:0.0001lux@ (F1.6,AGC ON),0lux with IR
<b>WDR</b>	120dB, only in monitoring mode	120dB, only in monitoring mode
<b>Optical Zoom</b>	63X	44X
<b>Digital Zoom</b>	16X	16X
<b>Video Compression</b>	S+265/H.265/H.264 (High profile,Main profile, Baseline)	S+265/H.265/H.264 (High profile,Main profile, Baseline)
<b>Cruise</b>	16, up to 32 presets per cruise	16, up to 32 presets per cruise
<b>Preset</b>	500	500
<b>Auto-Tracking</b>	Yes	Yes
<b>Early Warning(EW)</b>	Yes	Yes
<b>Video Enhancement</b>	BLC/3D DNR/HLC	BLC/3D DNR/HLC
<b>VCA</b>	Tripwire, Double Tripwire, Perimeter, Object Abandon, Object Lost, Loitering, Running, Parking, Heatmap, crowd, People Counting, On Duty Detection, Safety Helmet Detection, Video Abnormal, Audio Abnormal, Face Capture, Human/Vehicle Classification	Tripwire, Double Tripwire, Perimeter, Object Abandon, Object Lost, Loitering, Running, Parking, Heatmap, crowd, People Counting, On Duty Detection, Safety Helmet Detection, Video Abnormal, Audio Abnormal, Face Capture, Human/Vehicle Classification
<b>Audio I/O</b>	1/1	1/1
<b>Alarm I/O</b>	8/2	8/2
<b>Memory slot</b>	Built-in Micro SD card slot, up to 512 GB	Built-in Micro SD card slot, up to 512 GB
<b>System compatibility</b>	ONVIF (PROFILE S/T/G/M), SDK, CGI, RTSP	ONVIF (PROFILE S/T/G/M), SDK, CGI, RTSP
<b>IR LEDs</b>	11	11
<b>IR Range</b>	300m	300m
<b>White LEDs Range</b>	30m	30m
<b>Laser</b>	500m	500m
<b>Power supply</b>	DC36V±25%/POE++(IEEE802.3 bt)	DC36V±25%/POE++(IEEE802.3 bt)
<b>Waterproof&amp; dustproof</b>	IP66 , TVS 6000V lightning protection, surge protection and voltage transient protection	IP66 , TVS 6000V lightning protection, surge protection and voltage transient protection
<b>Working temperature</b>	-40°C~70°C (IR OFF), -40°C~40°C (IR ON), 0-95%RH	-40°C~70°C (IR OFF), -40°C~40°C (IR ON), 0-95%RH

## PTZ Panorama

As high-end series of PTZ, Panorama series PTZ are specially designed for large scenes including panoramas and more details. They support panoramic detection and detail tracking. Panoramic PTZ can achieve wider monitoring range and greater zoom requirements. Through multi-sensor automatic splicing technology, panoramic PTZ can realize 360° monitoring through high-speed gimbal, combining panoramic and detailed images.

Dual PTZ structural domes can support vehicle, non-motorized vehicle and personnel extraction attributes. Double exposure technology which operates short exposure on vehicle to clearly display license plate, and performs long exposure to human face to display clearer details.





PANORAMA

TC-A35555 Spec: 0/A/2.8-12mm/9-54mm



PANORAMA

TC-H3169M Spec:63X/LW/P/A/AR

<b>Model</b>		
<b>Image sensor</b>	Panorama: 1/1.8" CMOS, Detail: 1/1.8" CMOS	Panorama: 1/1.8" CMOS, Detail: 1/1.8" CMOS
<b>Max. Resolution</b>	Panorama: 3072x1728@20fps;Detail: 3072x1728@20fps	Panorama: 5520x2400@25fps;Detail: 2560x1440@25fps
<b>Min. illumination</b>	Color: 0.0008Lux@ (F1.35,AGC ON),B/W: 0lux with IR	Panorama: Color: 0.0004Lux@ (F1.0,AGC ON), B/W: 0lux with IR
<b>WDR</b>	120dB	Panorama:Digital;Detail: 120dB
<b>Optical Zoom</b>	Panorama: 4X; Detail: 6X	Detail: 63X
<b>Digital Zoom</b>	Detail: 16X	Detail: 16X
<b>Video Compression</b>	S+265/H.265/H.264/M-JPEG	S+265/H.265/H.264/M-JPEG
<b>Cruise</b>	16, up to 32 presets per cruise	16, up to 32 presets per cruise
<b>Preset</b>	Panorama: 256; Detail: 500	500
<b>Auto-Tracking</b>	Yes	Yes
<b>Early Warning(EW)</b>	Yes	Yes
<b>Video Enhancement</b>	BLC/3D DNR/HLC	BLC/3D DNR/HLC
<b>VCA</b>	Tripwire, Double Tripwire, Perimeter, Object Abandon, Object Lost, Loitering, Running, Parking, Heatmap, crowd, People Counting, On Duty Detection, Video Abnormal, Audio Abnormal, Face Capture, Structured, Human/Vehicle Classification	Panorama:Tripwire, Double Tripwire, Heatmap;Detail: Tripwire, Double Tripwire, Perimeter, Object Abandon, Object Lost, Loitering, Running, Parking, Heatmap, crowd, People Counting, On Duty Detection, Video Abnormal, Audio Abnormal, Face Capture, Human/Vehicle Classification
<b>Audio I/O</b>	1/1, Built-in Mic*2	1/1
<b>Alarm I/O</b>	3/2	8/2
<b>Memory slot</b>	Built-in Micro SD card slot, up to 512 GB	Built-in Micro SD card slot, up to 512 GB
<b>System compatibility</b>	ONVIF (PROFILE S/T/G), SDK, CGI, P2P	ONVIF (PROFILE S/T/G/M), SDK, CGI, P2P
<b>IR LEDs</b>	6	11
<b>IR Range</b>	100m	300m
<b>White LEDs Range</b>	30m	30m
<b>Laser</b>	N/A	500m
<b>Power supply</b>	AC24V±15%	DC36V±25%
<b>Waterproof&amp; dustproof</b>	IP66 , TVS 6000V lightning protection, surge protection and voltage transient protection	IP66 , TVS 6000V lightning protection, surge protection and voltage transient protection
<b>Working temperature</b>	-40°C-70°C (IR OFF), -40°C-40°C (IR ON), 0-95%RH	-40°C-70°C (IR OFF), -40°C-40°C (IR ON), 0-95%RH

## PTZ Thermal

Tiandy thermal camera adopts uncooled vanadium oxide focal plane detector, which has high temperature measurement accuracy and good imaging effect. Combined with dual lens, thermal and optical lens, and Tiandy's advanced algorithm, Tiandy thermal camera can achieve functions like temperature measurement, fire detection, EWarning and multi-VCA functions and be widely used in airport, station, border, harbor and other occasions with high security requirements.



THERMAL



TC-H358M Spec: 44X/1T/A

THERMAL



TC-C35LQ Spec:15W/E/Y/T/4mm/V4.2  
TC-C35LQ Spec:15W/E/Y/T/6mm/V4.2

Model	TC-H358M Spec: 44X/1T/A	TC-C35LQ Spec:15W/E/Y/T/4mm/V4.2 TC-C35LQ Spec:15W/E/Y/T/6mm/V4.2
<b>Thermal Sensor Type</b>	Vanadium Oxide Uncooled Focal Plane Arrays	Vanadium Oxide Uncooled Focal Plane Arrays
<b>Thermal Length</b>	Fixed 50mm	Fixed 3(7)mm
<b>Resolution</b>	384x288	256 x 192
<b>Pixel Interval</b>	17µm	12µm
<b>Response Waveband</b>	8µm-14µm	8µm-14µm
<b>NETD</b>	40mK@f/1.0	55mK@f/1.1
<b>Image sensor</b>	1/1.8"	1/2.8"
<b>Resolution</b>	3072x1728@25fps	2880x1620@25fps
<b>Min. illumination</b>	Color: 0.001lux@ (F1.6, AGC ON), B/W: 0lux with IR	Color:0.002lux@ (F1.6, AGC ON), B/W:0lux with IR
<b>WDR</b>	120dB	120dB
<b>Optical Zoom</b>	44x	N/A
<b>Video Enhancement</b>	BLC/3D DNR/HLC	BLC/3D DNR/HLC
<b>VCA</b>	Tripwire, Double Tripwire, Perimeter, Object Abandon, Object Lost, Loitering, Running, Parking, Heatmap, crowd, People Counting, On Duty Detection, Video Abnormal, Audio Abnormal, Face Capture, Human/Vehicle Classification	Fire detection, 12 temperature rules ,Tripwire,Perimeter
<b>Audio I/O</b>	1/1	1/1
<b>Alarm I/O</b>	8/2	1/1
<b>Memory slot</b>	Built-in Micro SD card slot, up to 256 GB	Built-in Micro SD card slot, up to 512 GB
<b>System compatibility</b>	ONVIF (PROFILE S/T/G), SDK, CGI, P2P	ONVIF (PROFILE S/T/G), SDK, CGI, P2P
<b>IR Range</b>	300m	50m
<b>White LEDs Range</b>	30m	15m
<b>Power supply</b>	DC36V±25%	DC12V,POE
<b>Waterproof&amp;dustproof</b>	IP66	IP67
<b>Working temperature</b>	-40°C ~ 70°C (IR OFF), -40°C ~ 40°C (IR ON), 0-95%RH	-30°C ~ 60°C (IR OFF), 0-95%RH










## NVR PSE

Tiandy PSE NVR can supply power to IPC, providing more convenient network. Spark NVR is available now which is designed for the channel market. Spark NVR leads the market with extremely low prices through extreme cost control from planning, R&D, production and other processes. PSE NVR also includes Lite N NVR, Lite K NVR, Pro NVR to meet different usage needs.



NVR PSE

PTZ THERMAL

Model						
						
TC-R3105 Spec: I/B/P4/L/S	TC-R3105 Spec: I/B/P/L/V1.1	TC-R3110 Spec: I/B/P8/L/S	TC-R3105 Spec: I/B/P/V3.0	TC-R3110 Spec: I/B/P8/V3.0	TC-R3105 Spec: I/B/P4/K/V3.1	
<b>Video Input</b>	5-ch	5-ch	10-ch	5-ch	10-ch	5-ch
<b>Decoding Format</b>	S+265/H.265/H.264	S+265/H.265/H.264	S+265/H.265/H.264	S+265/H.265/H.264	S+265/H.265/H.264	S+265/H.265/H.264
<b>Input/output Bandwidth</b>	60Mbps/40Mbps	60Mbps/40Mbps	60Mbps/40Mbps	60Mbps/40Mbps	60Mbps/40Mbps	80Mbps/80Mbps
<b>Recording Resolution</b>	5MP/4MP/3MP/1080P/UXGA/720P/VGA/4CIF/DCIF/2CIF/CIF/QCIF	6MP/5MP/4MP/3MP/1080P/UXGA/720P/VGA/4CIF/DCIF/2CIF/CIF/QCIF	6MP/5MP/4MP/3MP/1080P/UXGA/720P/VGA/4CIF/DCIF/2CIF/CIF/QCIF	6MP/5MP/3MP/1080P/UXGA/720P/VGA/4CIF/DCIF/2CIF/CIF/QCIF	6MP/5MP/3MP/1080P/UXGA/720P/VGA/4CIF/DCIF/2CIF/CIF/QCIF	8MP/6MP/5MP/4MP/3MP/1080P/UXGA/720P/VGA/4CIF/DCIF/2CIF/CIF/QCIF
<b>Decoding</b>	1×5MP, 1×4MP, 1×3MP, 2×1080P, 5×720P	1×6MP, 1×5MP, 1×4MP, 1×3MP, 4×1080P, 5×720P, 5×4CIF	1×6MP, 1×5MP, 1×4MP, 1×3MP, 4×1080P, 8×720P	1×6MP, 1×5MP, 1×4MP, 1×3MP, 4×1080P, 5×720P, 5×4CIF	1×6MP, 1×5MP, 1×4MP, 1×3MP, 4×1080P, 10×720P, 10×4CIF	2×8MP, 2×6MP, 3×5MP, 4×4MP, 5×3MP, 5×1080P, 5×720P, 5×4CIF
<b>HDD (SATA)</b>	1 HDD	1 HDD	1 HDD	1 HDD	1 HDD	1 HDD
<b>RAID</b>	N/A	N/A	N/A	N/A	N/A	N/A
<b>POE</b>	4×RJ45 self-adaptive 10/100 Mbps network interfaces	4×RJ45 self-adaptive 10/100 Mbps network interfaces	8×RJ45 self-adaptive 10/100 Mbps network interfaces	4×RJ45 self-adaptive 10/100 Mbps network interfaces	8×RJ45 self-adaptive 10/100 Mbps network interfaces	4×RJ45 self-adaptive 10/100 Mbps network interfaces
<b>PoE Budget</b>	45W	45W	70W	45W	70W	45W
<b>Audio Input</b>	N/A	N/A	N/A	1-ch, 3.5mm	1-ch, 3.5mm	1-ch, 3.5mm
<b>Audio Output</b>	N/A	N/A	N/A	1×RCA	1×RCA	1×RCA
<b>Alarm I/O</b>	N/A	N/A	N/A	0/1	4/1	4/1
<b>HDMI/VGA</b>	1/0	1/1	1/0	1/1	1/1	1/1
<b>VCA</b>	N/A	Tripwire, Double Tripwire, Perimeter, Object Abandon, Object Lost, Loitering, Motion Detection, Early Warning, Crowd, On Duty Detection, Video Abnormal, Audio Abnormal	N/A	Tripwire, Double Tripwire, Perimeter, Object Abandon, Object Lost, Loitering, Motion Detection, Early Warning, Crowd, On Duty Detection, Video Abnormal, Audio Abnormal	Tripwire, Double Tripwire, Perimeter, Object Abandon, Object Lost, Loitering, Motion Detection, Early Warning, Crowd, On Duty Detection, Video Abnormal, Audio Abnormal, People Counting	Tripwire, Double Tripwire, Perimeter, Object Abandon, Object Lost, Loitering, Motion Detection, Early Warning, Crowd, On Duty Detection, Video Abnormal, Audio Abnormal, People Counting
<b>Network Interface</b>	1×RJ45 self-adaptive 10/100 Mbps network interface	1×RJ45 self-adaptive 10/100 Mbps network interface	1×RJ45 self-adaptive 10/100 Mbps network interface	1×RJ45 self-adaptive 10/100 Mbps network interface	1×RJ45 self-adaptive 10/100 Mbps network interface	1×RJ45 self-adaptive 100 Mbps network interface
<b>Power supply</b>	DC48V, ≤20W (without HDD)	DC48V, ≤20W (without HDD)	DC48V, ≤20W (without HDD)	DC48V, ≤20W (without HDD)	DC48V, ≤20W (without HDD)	DC48V, ≤20W (without HDD)
<b>Working temperature</b>	-10°C-55°C, 10%-90% RH	-10°C-55°C, 10%-90% RH	-10°C-55°C, 10%-90% RH	-10°C-55°C, 10%-90% RH	-10°C-55°C, 10%-90% RH	-10°C-55°C, 10%-90% RH
<b>Case Size</b>	1U	1U	1U	1U	1U	1U

Model					
					
TC-R3110 Spec: I/B/P8/K/V3.1	TC-R3210 Spec: I/B/P8/K/V3.1	TC-R3220 Spec: I/B/P16/K/V3.1	TC-R3220 Spec: I/B/P16/H/V4.0	TC-R3440 Spec: I/B/P16/H/V4.0	
<b>Video Input</b>	10-ch	10-ch	20-ch	20-ch	40-ch
<b>Decoding Format</b>	S+265/H.265/H.264	S+265/H.265/H.264	S+265/H.265/H.264	S+265/H.265/H.264	S+265/H.265/H.264
<b>Input/output Bandwidth</b>	80Mbps/80Mbps	160Mbps/64Mbps	160Mbps/64Mbps	400Mbps/400Mbps	400Mbps/400Mbps
<b>Recording Resolution</b>	8MP/6MP/5MP/4MP/3MP/1080P/UXGA/720P/VGA/4CIF/DCIF/2CIF/CIF/QCIF	8MP/6MP/5MP/4MP/3MP/1080P/UXGA/720P/VGA/4CIF/DCIF/2CIF/CIF/QCIF	8MP/6MP/5MP/4MP/3MP/1080P/UXGA/720P/VGA/4CIF/DCIF/2CIF/CIF/QCIF	12MP/8MP/6MP/5MP/4MP/3MP/1080P/UXGA/720P/VGA/4CIF/DCIF/2CIF/CIF/QCIF	12MP/8MP/6MP/5MP/4MP/3MP/1080P/UXGA/720P/VGA/4CIF/DCIF/2CIF/CIF/QCIF
<b>Decoding</b>	2×8MP, 2×6MP, 3×5MP, 4×4MP, 5×3MP, 8×1080P, 10×720P, 10×4CIF	2×8MP, 2×6MP, 3×5MP, 4×4MP, 5×3MP, 8×1080P, 10×720P, 10×4CIF	2×8MP, 2×6MP, 3×5MP, 4×4MP, 5×3MP, 8×1080P, 16×720P, 20×4CIF	3×12MP, 4×8MP, 4×6MP, 5×5MP, 8×4MP, 9×3MP, 16×1080P, 20×720P, 20×4CIF	3×12MP, 4×8MP, 4×6MP, 5×5MP, 8×4MP, 9×3MP, 16×1080P, 32×720P, 40×4CIF
<b>HDD (SATA)</b>	1 HDD	2 HDDs	2 HDDs	2 HDDs	4 HDDs
<b>RAID</b>	N/A	N/A	N/A	N/A	JBOD, RAID0/1/5/6/10
<b>POE</b>	8×RJ45 self-adaptive 10/100 Mbps network interfaces	8×RJ45 self-adaptive 10/100 Mbps network interfaces	16×RJ45 self-adaptive 10/100 Mbps network interfaces	16×RJ45 self-adaptive 10/100 Mbps network interfaces	16×RJ45 self-adaptive 10/100 Mbps network interfaces
<b>PoE Budget</b>	70W	120W	200W	200W	200W
<b>Audio Input</b>	1-ch, 3.5mm	1-ch, 3.5mm	1-ch, 3.5mm	1-ch, 3.5mm	1-ch, 3.5mm
<b>Audio Output</b>	1×RCA	1×RCA	1×RCA	1×RCA	1×RCA
<b>Alarm I/O</b>	4/1	4/1	4/1	4/1	16/4
<b>HDMI/VGA</b>	1/1	1/1	1/1	1/1 independent outputs	1/1 independent outputs
<b>VCA</b>	Tripwire, Double Tripwire, Perimeter, Object Abandon, Object Lost, Loitering, Motion Detection, Early Warning, Crowd, On Duty Detection, Video Abnormal, Audio Abnormal, People Counting	Tripwire, Double Tripwire, Perimeter, Object Abandon, Object Lost, Loitering, Motion Detection, Early Warning, Crowd, On Duty Detection, Video Abnormal, Audio Abnormal, People Counting	Tripwire, Double Tripwire, Perimeter, Object Abandon, Object Lost, Loitering, Motion Detection, Early Warning, Crowd, On Duty Detection, Video Abnormal, Audio Abnormal, People Counting	Tripwire, Double Tripwire, Perimeter, Object Abandon, Object Lost, Loitering, Motion Detection, Early Warning, Crowd, On Duty Detection, Video Abnormal, Audio Abnormal, People Counting, Parking guard, Auto tracking	Tripwire, Double Tripwire, Perimeter, Object Abandon, Object Lost, Loitering, Motion Detection, Early Warning, Crowd, On Duty Detection, Video Abnormal, Audio Abnormal, People Counting, Parking guard, Auto tracking
<b>Network Interface</b>	1×RJ45 self-adaptive 10/100 Mbps network interface	1×RJ45 self-adaptive 10/100/1000 Mbps network interface	1×RJ45 self-adaptive 10/100/1000 Mbps network interface	1×RJ45 self-adaptive 10/100/1000 Mbps network interface	1×RJ45 self-adaptive 10/100/1000 Mbps network interfaces
<b>Power supply</b>	DC48V, ≤20W (without HDD)	100-240V AC, 50/60 Hz, ≤25W (without HDD)	100-240V AC, 50/60 Hz, ≤25W (without HDD)	100-240V AC, 50/60 Hz, ≤25W (without HDD)	100-240V AC, 50/60 Hz, ≤100W (without HDD)
<b>Working temperature</b>	-10°C-55°C, 10%-90% RH	-10°C-55°C, 10%-90% RH	-10°C-55°C, 10%-90% RH	-10°C-55°C, 10%-90% RH	-10°C-55°C, 10%-90% RH
<b>Case Size</b>	1U	1U	1U	1U	1.5U

# NVR Lite

Tiandy Lite N NVR provides the most cost efficient choice for those whose main market is distribution channels. Where IP cameras at 2MP resolution are popular, Lite N series products will be the best choice. Lite K series NVR also faces to distribution market. Models in Lite K series provide a most cost-efficient true 4K system, they are the most suitable products for regions, where IP cameras at 5MP or 8MP resolution are popular. The price of the Lite series pays for the performance of the Pro series.



Model	 CUBE	 CUBE	 LITE-N	 LITE-N	 LITE-N	 LITE-K
						
	TC-R3105 Spec: I/B/L/V1.1	TC-R3110 Spec: I/B/L/V1.1	TC-R3105 Spec: I/B/V3.0	TC-R3110 Spec: I/B/V3.0	TC-R3120 Spec: I/B/V3.0	TC-R3110 Spec: I/B/K/V3.1
<b>Video Input</b>	5-ch	10-ch	5-ch	10-ch	20-ch	10-ch
<b>Decoding Format</b>	S+265/H.265/H.264	S+265/H.265/H.264	S+265/H.265/H.264	S+265/H.265/H.264	S+265/H.265/H.264	S+265/H.265/H.264
<b>Input/output Bandwidth</b>	60Mbps/40Mbps	60Mbps/40Mbps	60Mbps/40Mbps	60Mbps/40Mbps	80Mbps/80Mbps	80Mbps/80Mbps
<b>Recording Resolution</b>	6MP/5MP/4MP/3MP/1080P/UXGA/720P/VGA/4CIF/DCIF/2CIF/CIF/QCIF	6MP/5MP/4MP/3MP/1080P/UXGA/720P/VGA/4CIF/DCIF/2CIF/CIF/QCIF	6MP/5MP/4MP/3MP/1080P/UXGA/720P/VGA/4CIF/DCIF/2CIF/CIF/QCIF	6MP/5MP/4MP/3MP/1080P/UXGA/720P/VGA/4CIF/DCIF/2CIF/CIF/QCIF	8MP/6MP/5MP/4MP/3MP/1080P/UXGA/720P/VGA/4CIF/DCIF/2CIF/CIF/QCIF	8MP/6MP/5MP/4MP/3MP/1080P/UXGA/720P/VGA/4CIF/DCIF/2CIF/CIF/QCIF
<b>Decoding</b>	1×6MP, 1×5MP, 1×4MP, 1×3MP, 4×1080P, 5×720P, 5×4CIF	1×6MP, 1×5MP, 1×4MP, 1×3MP, 4×1080P, 10×720P, 10×4CIF	1×6MP, 1×5MP, 1×4MP, 1×3MP, 4×1080P, 5×720P, 5×4CIF	1×6MP, 1×5MP, 1×4MP, 1×3MP, 4×1080P, 10×720P, 10×4CIF	1×8MP, 1×6MP, 1×5MP, 2×4MP, 2×3MP, 4×1080P, 8×720P, 20×4CIF	2×8MP, 2×6MP, 3×5MP, 4×4MP, 5×3MP, 8×1080P, 10×720P, 10×4CIF
<b>HDD (SATA)</b>	1 HDD	1 HDD	1 HDD	1 HDD	1 HDD	1 HDD
<b>RAID</b>	N/A	N/A	N/A	N/A	N/A	N/A
<b>POE</b>	N/A	N/A	N/A	N/A	N/A	N/A
<b>Audio Input</b>	N/A	N/A	N/A	N/A	N/A	1-ch, 3.5mm
<b>Audio Output</b>	N/A	N/A	1×RCA	1×RCA	1×RCA	1×RCA
<b>Alarm I/O</b>	N/A	N/A	N/A	N/A	N/A	4/I
<b>HDMI/VGA</b>	1/1	1/1	1/1	1/1	1/1	1/1
<b>VCA</b>	Tripwire, Double Tripwire, Perimeter, Object Abandon, Object Lost, Loitering, Motion Detection, Early Warning, Crowd, On Duty Detection, Video Abnormal, Audio Abnormal	Tripwire, Double Tripwire, Perimeter, Object Abandon, Object Lost, Loitering, Motion Detection, Early Warning, Crowd, On Duty Detection, Video Abnormal, Audio Abnormal	Tripwire, Double Tripwire, Perimeter, Object Abandon, Object Lost, Loitering, Motion Detection, Early Warning, Crowd, On Duty Detection, Video Abnormal, Audio Abnormal	Tripwire, Double Tripwire, Perimeter, Object Abandon, Object Lost, Loitering, Motion Detection, Early Warning, Crowd, On Duty Detection, Video Abnormal, Audio Abnormal	Tripwire, Double Tripwire, Perimeter, Object Abandon, Object Lost, Loitering, Motion Detection, Early Warning, Crowd, On Duty Detection, Video Abnormal, Audio Abnormal, People Counting	Tripwire, Double Tripwire, Perimeter, Object Abandon, Object Lost, Loitering, Motion Detection, Early Warning, Crowd, On Duty Detection, Video Abnormal, Audio Abnormal, People Counting
<b>Network Interface</b>	1×RJ45 self-adaptive 10/100 Mbps network interface	1×RJ45 self-adaptive 10/100 Mbps network interface	1×RJ45 self-adaptive 10/100 Mbps network interface	1×RJ45 self-adaptive 10/100 Mbps network interface	1×RJ45 self-adaptive 10/100 Mbps network interface	1×RJ45 self-adaptive 10/100 Mbps network interface
<b>Power supply</b>	DC12V, ≤10W (without HDD)	DC12V, ≤10W (without HDD)	DC12V, ≤10W (without HDD)	DC12V, ≤10W (without HDD)	DC12V, ≤10W (without HDD)	DC12V, ≤10W (without HDD)
<b>Working temperature</b>	-10°C-55°C, 10%-90% RH	-10°C-55°C, 10%-90% RH	-10°C-55°C, 10%-90% RH	-10°C-55°C, 10%-90% RH	-10°C-55°C, 10%-90% RH	-10°C-55°C, 10%-90% RH
<b>Case Size</b>	1U	1U	1U	1U	1U	1U









Model	 LITE-K	 LITE-K	 LITE-K	 LITE-K	 LITE-K
	TC-R3120 Spec: I/B/K/V3.1	TC-R3210 Spec: I/B/K/V3.1	TC-R3220 Spec: I/B/K/V3.1	TC-R3232 Spec: I/B/K/V3.1	TC-R3432 Spec: I/B/K/V3.1
<b>Video Input</b>	20-ch	10-ch	20-ch	32-ch	32-ch
<b>Decoding Format</b>	S+265/H.265/H.264	S+265/H.265/H.264	S+265/H.265/H.264	S+265/H.265/H.264	S+265/H.265/H.264
<b>Input/output Bandwidth</b>	80Mbps/80Mbps	160Mbps/64Mbps	160Mbps/64Mbps	160Mbps/48Mbps	160Mbps/48Mbps
<b>Recording Resolution</b>	8MP/6MP/5MP/4MP/3MP/1080P/UXGA/720P/VGA/4CIF/DCIF/2CIF/CIF/QCIF	8MP/6MP/5MP/4MP/3MP/1080P/UXGA/720P/VGA/4CIF/DCIF/2CIF/CIF/QCIF	8MP/6MP/5MP/4MP/3MP/1080P/UXGA/720P/VGA/4CIF/DCIF/2CIF/CIF/QCIF	8MP/6MP/5MP/4MP/3MP/1080P/UXGA/720P/VGA/4CIF/DCIF/2CIF/CIF/QCIF	8MP/6MP/5MP/4MP/3MP/1080P/UXGA/720P/VGA/4CIF/DCIF/2CIF/CIF/QCIF
<b>Decoding</b>	2×8MP, 2×6MP, 3×5MP, 4×4MP, 5×3MP, 8×1080P, 16×720P, 20×4CIF	2×8MP, 2×6MP, 3×5MP, 4×4MP, 5×3MP, 8×1080P, 10×720P, 10×4CIF	2×8MP, 2×6MP, 3×5MP, 4×4MP, 5×3MP, 8×1080P, 16×720P, 20×4CIF	2×8MP, 2×6MP, 3×5MP, 4×4MP, 5×3MP, 8×1080P, 16×720P, 32×4CIF	2×8MP, 2×6MP, 3×5MP, 4×4MP, 5×3MP, 8×1080P, 16×720P, 32×4CIF
<b>HDD (SATA)</b>	1 HDD	2 HDDs	2 HDDs	2 HDDs	4 HDDs
<b>RAID</b>	N/A	N/A	N/A	N/A	N/A
<b>POE</b>	N/A	N/A	N/A	N/A	N/A
<b>Audio Input</b>	1-ch, 3.5mm	1-ch, 3.5mm	1-ch, 3.5mm	1-ch, 3.5mm	1-ch, 3.5mm
<b>Audio Output</b>	1×RCA	1×RCA	1×RCA	1×RCA	1×RCA
<b>Alarm I/O</b>	4/I	4/I	4/I	4/I	N/A
<b>HDMI/VGA</b>	1/I	1/I	1/I	1/I	1/I
<b>VCA</b>	Tripwire, Double Tripwire, Perimeter, Object Abandon, Object Lost, Loitering, Motion Detection, Early Warning, Crowd, On Duty Detection, Video Abnormal, Audio Abnormal, People Counting	Tripwire, Double Tripwire, Perimeter, Object Abandon, Object Lost, Loitering, Motion Detection, Early Warning, Crowd, On Duty Detection, Video Abnormal, Audio Abnormal, People Counting	Tripwire, Double Tripwire, Perimeter, Object Abandon, Object Lost, Loitering, Motion Detection, Early Warning, Crowd, On Duty Detection, Video Abnormal, Audio Abnormal, People Counting	Tripwire, Double Tripwire, Perimeter, Object Abandon, Object Lost, Loitering, Motion Detection, Early Warning, Crowd, On Duty Detection, Video Abnormal, Audio Abnormal, People Counting	Tripwire, Double Tripwire, Perimeter, Object Abandon, Object Lost, Loitering, Motion Detection, Early Warning, Crowd, On Duty Detection, Video Abnormal, Audio Abnormal, People Counting
<b>Network Interface</b>	1xRJ45 self-adaptive 10/100 Mbps network interface	1xRJ45 self-adaptive 10/100/1000 Mbps network interface	1xRJ45 self-adaptive 10/100/1000 Mbps network interface	1xRJ45 self-adaptive 10/100/1000 Mbps network interfaces	1xRJ45 self-adaptive 10/100/1000 Mbps network interfaces
<b>Power supply</b>	DC12V, ≤10W (without HDD)	DC12V, ≤10W (without HDD)	DC12V, ≤10W (without HDD)	DC12V, ≤10W (without HDD)	DC12V, ≤25W (without HDD)
<b>Working temperature</b>	-10°C-55°C, 10%-90% RH	-10°C-55°C, 10%-90% RH	-10°C-55°C, 10%-90% RH	-10°C-55°C, 10%-90% RH	-10°C-55°C, 10%-90% RH
<b>Case Size</b>	1U	1U	1U	1U	1.5U




## NVR Pro

Pro & Ultra series faces to SMB project. It could be used as an item, which could control the bid due to their powerful index of interfaces and bandwidth. Tiandy NVR provides 25% more access than regular products, which enables plug and play, automatically adds IPC, quickly plots without configuration and supports one button to enable S+265 to save 50% of storage space than H.265. In addition, it automatically matches the screen's optimal resolution, and supports up to 64 channels of simultaneous preview and 16 channels of 1080p video playback.



Model	 PRO	 PRO	 PRO
Model	TC-R3240 Spec:I/B/N/H/V4.0	TC-R3440 Spec:I/B/N/H/C/V4.0	TC-R3440 Spec:I/B/N/V4.0
Video Input	40-ch	40-ch	40-ch
Decoding Format	S+265/H.265/H.264	S+265/H.265/H.264	S+265/H.265/H.264
Input/output Bandwidth	400Mbps/400Mbps	400Mbps/400Mbps	400Mbps/400Mbps
Recording Resolution	12MP/8MP/6MP/5MP/4MP/3MP/1080P/ UXGA/720P/VGA/4CIF/DCIF/2CIF/CIF/QCIF	12MP/8MP/6MP/5MP/4MP/3MP/1080P/ UXGA/720P/VGA/4CIF/DCIF/2CIF/CIF/QCIF	12MP/8MP/6MP/5MP/4MP/3MP/1080P/ UXGA/720P/VGA/4CIF/DCIF/2CIF/CIF/QCIF
Decoding	3x12MP, 4x8MP, 4x6MP, 5x5MP, 8x4MP, 9x3MP, 16x1080P, 32x720P, 40x4CIF	3x12MP, 4x8MP, 4x6MP, 5x5MP, 8x4MP, 9x3MP, 16x1080P, 32x720P	3x12MP, 4x8MP, 4x6MP, 5x5MP, 8x4MP, 9x3MP, 16x1080P, 32x720P
HDD (SATA)	2 HDDs	4 HDDs	4 HDDs
eSATA	N/A	N/A	N/A
RAID	JBOD, RAID0/1/5/6/10	JBOD, RAID0/1/5/6/10	JBOD, RAID0/1/5/6/10
POE	N/A	N/A	N/A
Audio Input	1-ch, 3.5mm	1-ch, 3.5mm	1-ch, 3.5mm
Audio Output	1xRCA	1xRCA	1xRCA
Alarm I/O	16/4	N/A	16/4
HDMI/VGA	1/1 independent outputs	1/1 independent outputs	1/1 independent outputs
VCA	Tripwire, Double Tripwire, Perimeter, Object Abandon, Object Lost, Loitering, Motion Detection, Early Warning, Crowded, On Duty Detection, Video Abnormal, Audio Abnormal, People Counting, Parking, Auto tracking, Face picture gallery	Tripwire, Double Tripwire, Perimeter, Object Abandon, Object Lost, Loitering, Motion Detection, Early Warning, Crowded, On Duty Detection, Video Abnormal, Audio Abnormal, People Counting, Parking, Auto tracking, Face picture gallery	Tripwire, Double Tripwire, Perimeter, Object Abandon, Object Lost, Loitering, Motion Detection, Early Warning, Crowded, On Duty Detection, Video Abnormal, Audio Abnormal, People Counting, Parking, Auto tracking, Face picture gallery
Network Interface	2xRJ45 self-adaptive 10/100/1000 Mbps network interfaces	2xRJ45 self-adaptive 10/100/1000 Mbps network interfaces	2xRJ45 self-adaptive 10/100/1000 Mbps network interfaces
Power supply	DC12V,≤25W (without HDD)	DC12V,≤25W (without HDD)	DC12V,≤25W (without HDD)
Working temperature	-10°C-55°C, 10%-90% RH	-10°C-55°C, 10%-90% RH	-10°C-55°C, 10%-90% RH
Case Size	1.5U	1.5U	1.5U

Model	 PRO	 PRO	 HOT-SWAP
Model	TC-R3840 Spec: I/B/N/V4.0	TC-R3880 Spec: I/B/N/V4.0	TC-R3840 Spec: E/B/N/V4.0
Video Input	40-ch	80-ch	40-ch
Decoding Format	S+265/H.265/H.264	S+265/H.265/H.264	S+265/H.265/H.264
Input/output Bandwidth	640Mbps/320Mbps	640Mbps/320Mbps	640Mbps/320Mbps
Recording Resolution	12MP/8MP/6MP/5MP/4MP/3MP/1080P/ UXGA/720P/VGA/4CIF/DCIF/2CIF/CIF/ QCIF	12MP/8MP/6MP/5MP/4MP/3MP/1080P/ UXGA/720P/VGA/4CIF/DCIF/2CIF/CIF/ QCIF	12MP/8MP/6MP/5MP/4MP/3MP/1080P/ UXGA/720P/VGA/4CIF/DCIF/2CIF/CIF/ QCIF
Decoding	4x12MP, 6x8MP, 8x6MP, 9x5MP, 12x4MP, 16x3MP, 24x1080P, 48x720P, 40x4CIF	4x12MP, 6x8MP, 8x6MP, 9x5MP, 12x4MP, 16x3MP, 24x1080P, 48x720P, 80x4CIF	4x12MP, 6x8MP, 8x6MP, 9x5MP, 12x4MP, 16x3MP, 24x1080P, 40x720P, 40x4CIF
HDD (SATA)	8 HDDs	8 HDDs	8 HDDs
eSATA	1	1	1
RAID	JBOD, RAID0/1/5/6/10	JBOD, RAID0/1/5/6/10	JBOD, RAID0/1/5/6/10
POE	N/A	N/A	N/A
Audio Input	1-ch, 3.5mm	1-ch, 3.5mm	1-ch, 3.5mm
Audio Output	1x3.5mm, 1xBNC	1x3.5mm, 1xBNC	1x3.5mm, 1xBNC
Alarm I/O	16/4	16/4	16/4
HDMI/VGA	2/2 independent outputs	2/2 independent outputs	2/2 independent outputs
VCA	Tripwire, Double Tripwire, Perimeter, Object Abandon, Object Lost, Loitering, Motion Detection, Early Warning, Crowded, On Duty Detection, Video Abnormal, Audio Abnormal, People Counting, Parking, Auto tracking, Face picture gallery	Tripwire, Double Tripwire, Perimeter, Object Abandon, Object Lost, Loitering, Motion Detection, Early Warning, Crowded, On Duty Detection, Video Abnormal, Audio Abnormal, People Counting, Parking, Auto tracking, Face picture gallery	Tripwire, Double Tripwire, Perimeter, Object Abandon, Object Lost, Loitering, Motion Detection, Early Warning, Crowd, On Duty Detection, Video Abnormal, Audio Abnormal, People Counting,Parking, Auto tracking, Face picture gallery
Network Interface	2xRJ45 self-adaptive 10/100/1000 Mbps network interfaces	2xRJ45 self-adaptive 10/100/1000 Mbps network interfaces	2xRJ45 self-adaptive 10/100/1000 Mbps network interfaces
Power supply	AC100-240V,50/60HZ,≤80W (without HDD)	AC100-240V, 50/60HZ,≤80W (without HDD)	AC100-240V, 50/60HZ,≤100W (without HDD)
Working temperature	-10°C-55°C, 10%-90% RH	-10°C-55°C, 10%-90% RH	-10°C-55°C, 10%-90% RH
Case Size	2U	2U	2U

Model	 HOT-SWAP	 HOT-SWAP	 HOT-SWAP
	TC-R3840 Spec: E/B/R/N/V4.0	TC-R3880 Spec: E/B/N/V4.0	TC-R31640 Spec: E/B/N/V4.0
<b>Video Input</b>	40-ch	80-ch	40-ch
<b>Decoding Format</b>	S+265/H.265/H.264	S+265/H.265/H.264	S+265/H.265/H.264
<b>Input/output Bandwidth</b>	640Mbps/320Mbps	640Mbps/320Mbps	640Mbps/320Mbps
<b>Recording Resolution</b>	12MP/8MP/6MP/5MP/4MP/3MP/1080P/ UXGA/720P/VGA/4CIF/DCIF/2CIF/CIF/ QCIF	12MP/8MP/6MP/5MP/4MP/3MP/1080P/ UXGA/720P/VGA/4CIF/DCIF/2CIF/CIF/ QCIF	12MP/8MP/6MP/5MP/4MP/3MP/1080P/ UXGA/720P/VGA/4CIF/DCIF/2CIF/CIF/ QCIF
<b>Decoding</b>	4×12MP, 6×8MP, 8×6MP, 9×5MP, 12×4MP, 16×3MP, 24×1080P, 40×720P, 40×4CIF	4×12MP, 6×8MP, 8×6MP, 9×5MP, 12×4MP, 16×3MP, 24×1080P, 48×720P, 80×4CIF	4×12MP, 6×8MP, 8×6MP, 9×5MP, 12×4MP, 16×3MP, 24×1080P, 40×720P, 40×4CIF
<b>HDD (SATA)</b>	8 HDDs	8 HDDs	16 HDDs
<b>eSATA</b>	1	1	1
<b>RAID</b>	JBOD, RAID0/1/5/6/10	JBOD, RAID0/1/5/6/10	JBOD, RAID0/1/5/6/10
<b>POE</b>	N/A	N/A	N/A
<b>Audio Input</b>	1-ch, 3.5mm	1-ch, 3.5mm	1-ch, 3.5mm
<b>Audio Output</b>	1×3.5mm, 1×BNC	1×3.5mm, 1×BNC	1×3.5mm, 1×BNC
<b>Alarm I/O</b>	16/4	16/4	16/4
<b>HDMI/VGA</b>	2/2 independent outputs	2/2 independent outputs	2/2 independent outputs
<b>VCA</b>	Tripwire, Double Tripwire, Perimeter, Object Abandon, Object Lost, Loitering, Motion Detection, Early Warning, Crowd, On Duty Detection, Video Abnormal, Audio Abnormal, People Counting, Parking, Auto tracking, Face picture gallery	Tripwire, Double Tripwire, Perimeter, Object Abandon, Object Lost, Loitering, Motion Detection, Early Warning, Crowd, On Duty Detection, Video Abnormal, Audio Abnormal, People Counting, Parking, Auto tracking, Face picture gallery	Tripwire, Double Tripwire, Perimeter, Object Abandon, Object Lost, Loitering, Motion Detection, Early Warning, Crowd, On Duty Detection, Video Abnormal, Audio Abnormal, People Counting, Parking, Auto tracking, Face picture gallery
<b>Network Interface</b>	2xRJ45 self-adaptive 10/100/1000 Mbps network interfaces	2xRJ45 self-adaptive 10/100/1000 Mbps network interfaces	2xRJ45 self-adaptive 10/100/1000 Mbps network interfaces
<b>Power supply</b>	AC100-240V,50/60HZ,≤100W (without HDD)	AC100-240V, 50/60HZ, ≤100W (without HDD)	AC100-240V, 50/60HZ, ≤100W (without HDD)
<b>Working temperature</b>	-10°C-55°C, 10%-90% RH	-10°C-55°C, 10%-90% RH	-10°C-55°C, 10%-90% RH
<b>Case Size</b>	2U	2U	3U

Model	 HOT-SWAP	 HOT-SWAP	 HOT-SWAP
	TC-R31640 Spec: E/B/N/V4.0	TC-R31680 Spec: E/B/R/N/V4.0	TC-R324160 Spec: E/B/N/C/V2.0
<b>Video Input</b>	40-ch	80-ch	160-ch
<b>Decoding Format</b>	S+265/H.265/H.264	S+265/H.265/H.264	H.265/H.264
<b>Input/output Bandwidth</b>	640Mbps/320Mbps	640Mbps/320Mbps	1280Mbps/640Mbps
<b>Recording Resolution</b>	12MP/8MP/6MP/5MP/4MP/3MP/1080P/ UXGA/720P/VGA/4CIF/DCIF/2CIF/CIF/ QCIF	12MP/8MP/6MP/5MP/4MP/3MP/1080P/ UXGA/720P/VGA/4CIF/DCIF/2CIF/CIF/ QCIF	12MP/8MP/6MP/5MP/4MP/3MP/1080P/UXGA/720P/ VGA/4CIF/DCIF/2CIF/CIF/ QCIF
<b>Decoding</b>	4×12MP, 6×8MP, 8×6MP, 9×5MP, 12×4MP, 16×3MP, 24×1080P, 48×720P	4×12MP, 6×8MP, 8×6MP, 9×5MP, 12×4MP, 16×3MP, 24×1080P, 48×720P, 80×4CIF	2×12MP, 4×8MP, 4×6MP, 5×5MP, 8×4MP, 9×3MP, 16×1080P, 32×720P, 64×4CIF
<b>HDD (SATA)</b>	16 HDDs	16 HDDs	24 HDDs
<b>eSATA</b>	1	1	1
<b>RAID</b>	JBOD, RAID0/1/5/6/10	JBOD, RAID0/1/5/6/10	JBOD, RAID0/1/5/6/10/50/60
<b>POE</b>	N/A	N/A	N/A
<b>Audio Input</b>	1-ch, 3.5mm	1-ch, 3.5mm	1-ch, 3.5mm
<b>Audio Output</b>	1×3.5mm, 1×BNC	1×3.5mm, 1×BNC	1×3.5mm
<b>Alarm I/O</b>	16/4	16/4	8/4
<b>HDMI/VGA</b>	2/2 independent outputs	2/2 independent outputs	2/1 independent outputs
<b>VCA</b>	Tripwire, Double Tripwire, Perimeter, Object Abandon, Object Lost, Loitering, Motion Detection, Early Warning, Crowd, On Duty Detection, Video Abnormal, Audio Abnormal, People Counting, Parking, Auto tracking, Face picture gallery	Tripwire, Double Tripwire, Perimeter, Object Abandon, Object Lost, Loitering, Motion Detection, Early Warning, Crowd, On Duty Detection, Video Abnormal, Audio Abnormal, People Counting, Parking, Auto tracking, Face picture gallery	Tripwire, Double Tripwire, Perimeter, Object Abandon, Object Lost, Loitering, Motion Detection, Early Warning, Crowd, On Duty Detection, Video Abnormal, Audio Abnormal, People Counting, Parking, Auto tracking, Face picture gallery
<b>Network Interface</b>	2xRJ45 self-adaptive 10/100/1000 Mbps network interfaces	2xRJ45 self-adaptive 10/100/1000 Mbps network interfaces	4xRJ45 self-adaptive 10/100/1000 Mbps network interfaces
<b>Power supply</b>	AC100-240V, 50/60HZ, ≤100W (without HDD)	AC100-240V, 50/60HZ, ≤100W (without HDD)	AC100-240V, 50/60HZ, ≤550W (without HDD)
<b>Working temperature</b>	-10°C-55°C, 10%-95% RH	-10°C-55°C, 10%-90% RH	-10°C-55°C, 10%-90% RH
<b>Case Size</b>	3U	3U	4U

# NVR AI

Based on deep learning technology, Tiandy NVR has face recognition function for cameras with/without facial capture function, which is widely used in hospitals, gas stations, supermarkets for attendance and personnel identification. With Tiandy face capture camera, multi-channel face recognition can be achieved with higher accuracy. Tiandy offers a variety of face recognition devices. The 10-way AI NVR provides a cost-efficient face recognition solution.



FACE RECOGNITION



TC-R3210 Spec: I/F

<b>Model</b>	TC-R3210 Spec: I/F
<b>Video Input</b>	10-ch
<b>Decoding Format</b>	S+265/H.265/H.264
<b>Input/output Bandwidth</b>	80Mbps/80Mbps
<b>Recording Resolution</b>	6MP/5MP/4MP/3MP/1080P/UXGA/720P/ VGA/4CIF/DCIF/2CIF/CIF/QCIF
<b>Decoding</b>	1×6MP, 1×5MP, 1×4MP, 2×3MP, 3×1080P, 6×720P
<b>HDD (SATA)</b>	2 HDDs
<b>eSATA</b>	N/A
<b>RAID</b>	N/A
<b>POE</b>	N/A
<b>Audio Input</b>	1-ch, 3.5mm
<b>Audio Output</b>	1×RCA
<b>Alarm I/O</b>	0/1
<b>HDMI/VGA</b>	1/1
<b>Face Library/Pictures</b>	300/100, 000
<b>Face Recognition Capability</b>	1 Video Stream 5 Picture Stream
<b>VCA</b>	Tripwire, Double Tripwire, Perimeter, Object Abandon, Object Lost, Loitering, Motion Detection, Early Warning, Crowded, On Duty Detection, Video Abnormal, Audio Abnormal, People Counting, Parking guard, Auto tracking, Face picture gallery, Face recognition
<b>Network Interface</b>	1×RJ45 self-adaptive 10/100 Mbps network interface
<b>Power supply</b>	DC12V, ≤10W (without HDD)
<b>Working temperature</b>	-10°C-55°C, 10%-90% RH
<b>Case Size</b>	1U

## K1000 Product Description

Tiandy K1000 storage platform all-in-one is an economical and practical product built on the basis of K2000 video integrated platform all-in-one (medium-sized project within 2000 video points). It is suitable for the general comprehensive security business scenes of the whole industry, such as parks, buildings, commercial complexes, hospitals, stores, museums, scenic spots, etc. Being set with English Web management interface, it can also manage 1000 video channels and support set with 8 hard disks.



## K2000 Product Description

K2000 video integrated platform, built-in integrated management platform, streaming media middleware, with video preview, video storage, video playback download, Raid management, video decoding, TV-wall, electronic map, port alarm input/output and other functions. K2000 is applicable to parks, buildings, commercial complexes, hospitals, stores, museums, scenic spots and other industry-wide general comprehensive security business scenarios. It is English Web management interface. With functions of management, storage, decoding and forwarding, it can manage 2000 video channels, support access to 24 hard disks.



Model		
	TC-S3608 Spec:T/2U/V3.0	TC-S36424 Spec:T/4U/V5.0
<b>Processor</b>	64-bit multi-core processor	64-bit multi-core processor
<b>Data Disk</b>	Support 2.5 "or 3.5" SATA: A standard 4T enterprise-class hard disk is used as a data disk (occupying one disk slot) and cannot store videos. In SATA 1 port	Support 2.5 "or 3.5" SATA: A standard 4T enterprise-class hard disk is used as a data disk (occupying one disk slot) and cannot store videos. In SATA 1 port
<b>Operating System</b>	Centos7.6 (Linux)	Centos7.6 (Linux)
<b>Hard Disk Storage</b>	1.Supports access to 8 hard disks through the front panel 2.Supports monitoring and enterprise hard disks, and stores videos and pictures on the access platform	1.Supports access to 24 hard disks through the front panel 2.Supports monitoring and enterprise hard disks, and stores videos and pictures on the access platform
<b>Array Type</b>	Support Raid 0/1/5/6/10/50/60	Support Raid 0/1/5/6/10/50/60
<b>Pre-installed Software</b>	Easy7_CMS_V9.0.0T	Easy7_CMS_V9.0.0T
<b>Management Route</b>	1000	2000
<b>Maximum of concurrent storage channels</b>	180	180
<b>Access Bandwidth</b>	512M	512M
<b>Forwarding Bandwidth</b>	400M	400M
<b>Video Interface</b>	2*HDMI	2*HDMI
<b>USB Interface</b>	2 USB2.0; 2 USB3.0	2 USB2.0; 2 USB3.0
<b>String Interface</b>	2 (RS-485); 1 (RS-232)	2 (RS-485); 1 (RS-232)
<b>Alarm Input/Output</b>	8 In & 4 Out	8 In & 4 Out
<b>SATA</b>	8	24
<b>Network Interface</b>	4*RJ45.1000Mbps	4*RJ45.1000Mbps
<b>Case Size</b>	2U	4U
<b>Power Supply</b>	AC220V:50Hz	AC200V-AC240V:50Hz
<b>Quantity of Power Supply</b>	1 (350W)	1 (550W)
<b>Power Consumption</b>	Power rating: 350W	Power rating: 550W
<b>Operating Temperature</b>	5°C ~ 40°C	5°C ~ 40°C
<b>Operating Humidity</b>	10% ~ 90% ( ON Condensation)	10% ~ 90% ( ON Condensation)
<b>Dimension</b>	535mm(L)×446mm(W)×88.5mm(H)	534mm(L)×446mm(W)×173mm(H)
<b>Functional Characteristics</b>	Storage, Management, Decoding, management three-in-one, support Onvif, support electronic map, video playback, video preview, decoding on the wall and other platform management functions, support monitoring level and enterprise hard disk	Storage, Management, Decoding, management three-in-one, support Onvif, support electronic map, video playback, video preview, decoding on the wall and other platform management functions, support monitoring level and enterprise hard disk
<b>Description</b>	K1000 storage platform all-in-one machine is an economical and practical product built on the basis of K2000. In the case of network power, single machine can be networking, flexible configuration, the all-in-one machine will storage, forwarding, management, decoding, intelligence and other functions of integration, simple and fast deployment. Save time, labor and money, can be said to be small and medium-sized projects.	This product is a K2000 integrated video platform, with built-in integrated management platform, streaming media middleware, Tiandy storage and other software, with video preview, video storage, video playback download, Raid management, video decoding, TV wall, electronic map, port alarm input/output and other functions.

# Keyboard

USB keyboard is a control device with joystick that can realize convenient PTZ operation, Screen switching control, etc.

- Powerful contro capability
- Easy connection
- Flexible joystick
- Multiple combination key




TC-C312 Spec:V1.0

<b>Model</b>	TC-C312 Spec:V1.0
<b>Control Interface</b>	USB mode
<b>Power</b>	DC5V±10%
<b>Protocols</b>	USB HID protocol
<b>Array Type</b>	LCD screen
<b>9 Keys</b>	Yes
<b>Joystick</b>	Yes
<b>Size</b>	158*150*107 mm
<b>Temperature</b>	-10-55°C
<b>Supply</b>	Multi-user access control, Controls NVR, K1000,K2000, Decoder, Work with Easy7 Smart via USB port

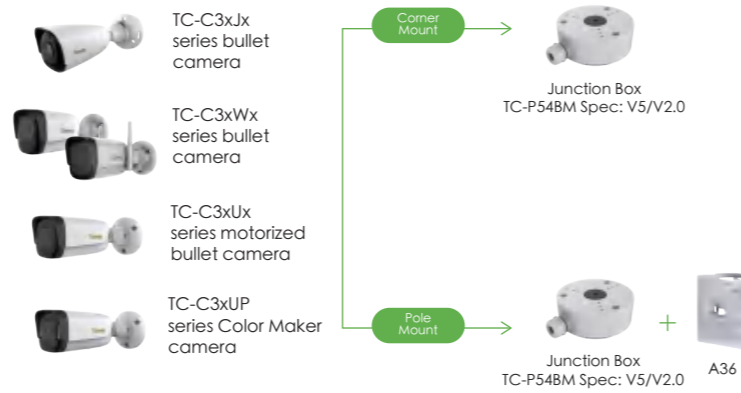
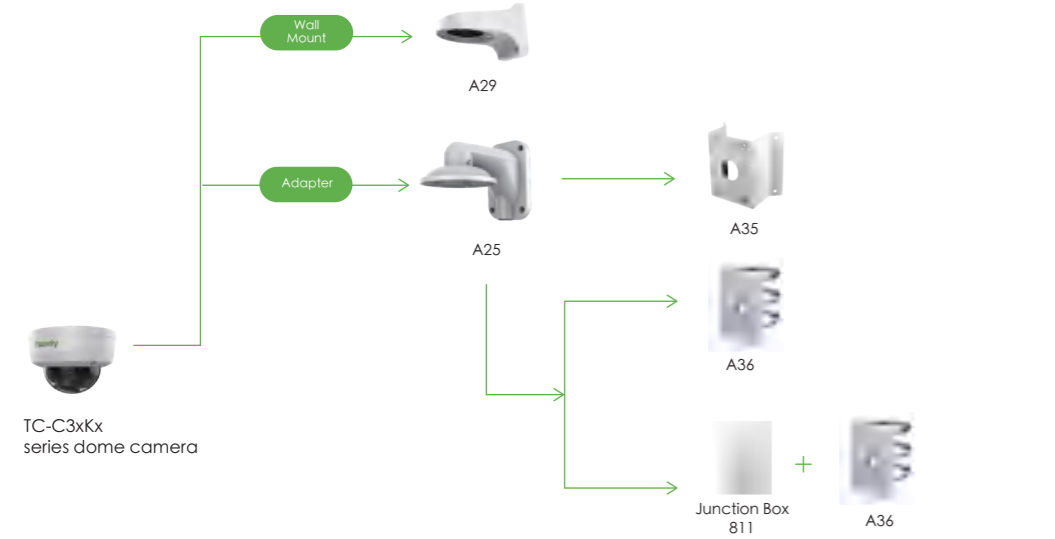
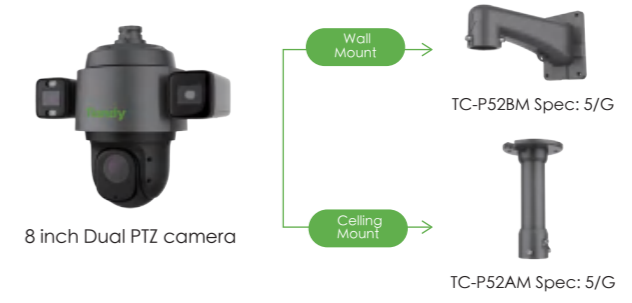
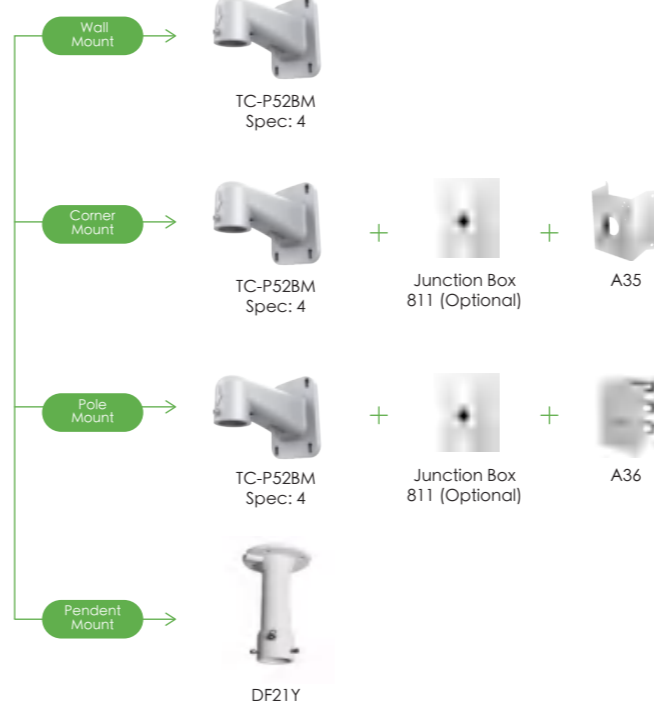
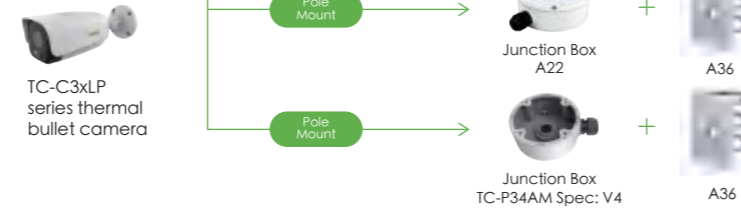
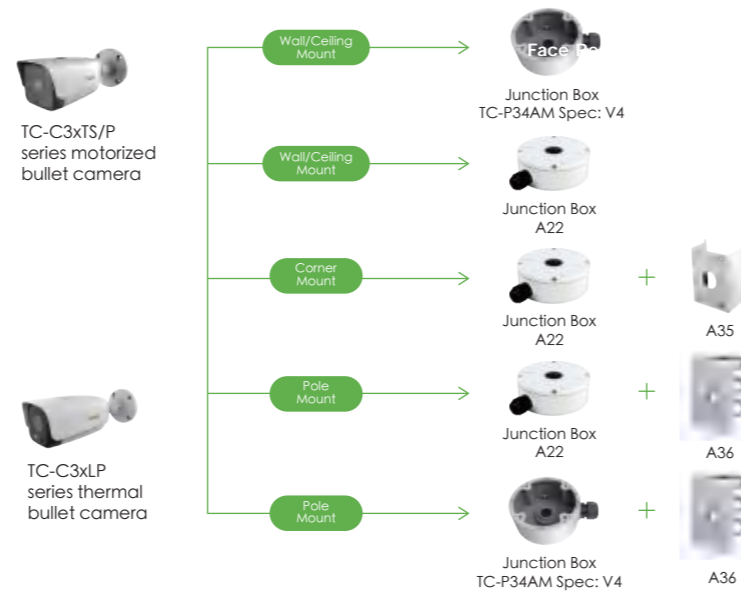
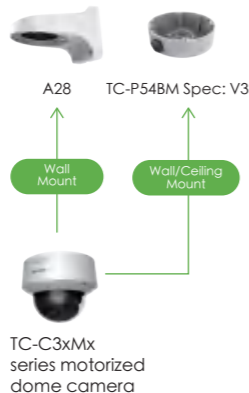
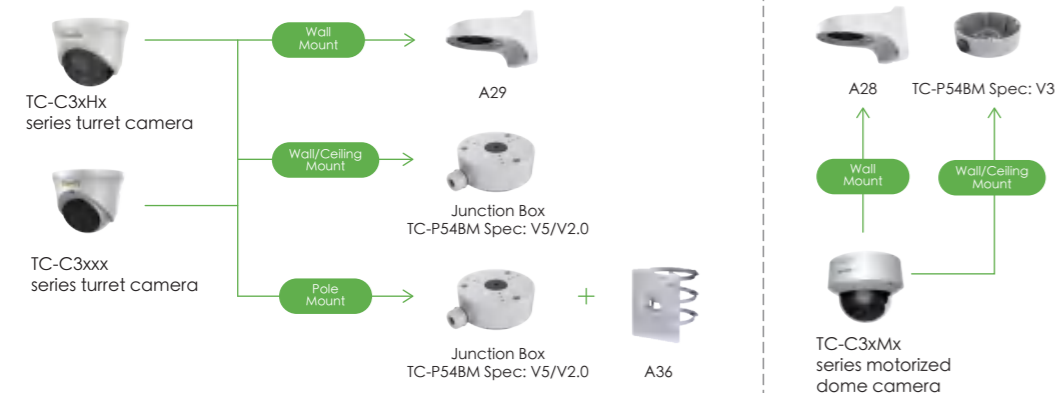
# Platform Server

A system solution based on easy7 CMS, which combines the characteristics of storage business and network storage reliability requirements to meet the high-performance for input and output of structured and unstructured data such as videos and images, and forms a cost-effective data storage solution. It is suitable for medium and large projects, the software supports flexible expansion of points and modules, streaming media forwarding, file storage, and is used to store images such as human faces and vehicles.



Model			
Model	TC-S3154 Spec:T/6/4T/O	TC-U3224R Spec:S/C/T	TC-S3444 Spec:T/6
Processor	64-bit multi-core processor	64-bit multi-core processor	64-bit multi-core processor
Data Disk	64 GB SSD System Disk	64 GB SSD System Disk	64 GB SSD System Disk
Operating System	openEuler	-	openEuler
Hard Disk Storage	Equipped with 64 GB SSD system disk and 4 TB enterprise-class data disk, it supports a total of four 1T-8T disks	24 3.5 "SATA enterprise hard disks	Built-in SSD system disk supports four 1T to 8T hard disks; Supports 2.5 "or 3.5" SATA
Management Route	Default 200, Max 50000 ( Need License)	-	-
Access Bandwidth	-	512M	2048M
Forwarding Bandwidth	-	512M	2048M
Video Interface	2*HDMI	2*HDMI	2*HDMI
USB Interface	C	2 USB2.0; 2 USB3.0	2 USB2.0; 2 USB3.0
String Interface	2 (RS-485); 1 (RS-232)	2 (RS-485); 1 (RS-232)	-
Alarm Input/Output	-	8 In & 4 Out	-
SATA	4	24	4
Network Interface	4*RJ45.1000Mbps	4*RJ45.1000Mbps	4*RJ45.1000Mbps
Case Size	1U	4U	1U
Power Supply	AC200V-AC240V:50Hz	AC100V-AC240V:50Hz	AC100V-AC240V:50Hz
Quantity of Power Supply	1	1 (550W)	1
Power Consumption	Power rating: 250W	Power rating: 550W	Power rating: 250W
Operating Temperature	5°C ~ 40°C	5°C ~ 40°C	5°C ~ 40°C
Operating Humidity	10% ~ 90% ( ON Condensation)	10% ~ 90% ( ON Condensation)	10% ~ 90% ( ON Condensation)
Dimension	670mm(L)×433mm(W)×43.5mm(H)	542mm(L)* 446.6mm(W)* 173.8mm(H)	670mm(L)×433mm(W)×43.5mm(H)

# Mount Accessories



MOUNT ACCESSORIES

MOUNT ACCESSORIES