tyco | Illustra

Data Sheet

Standard
4MP V/F IR Turret Network Camera

Key Benefits

- 4MP resolution (2560×1440), H.265
- 30fps @ 4MP
- True day / night
- Up to 50m IR distance
- Wide Dynamic Range
- HLC & BLC
- Triple streams
- Smart codec by ROI
- PoE power supply
- Basic intelligent video analytics
- IP67/IK10
- NDAA Compliant

The illustra Standard Manual Varifocal Turret camera from Tyco offers resolution upto 4MP with inbuilt IR for operations in low light conditions. The affordable feature-rich camera supports intelligent video analytics (IVA) at the edge to cater to multiple site requirements. It captures high resolution images in variety of lighting conditions with features such as Auto Day/Night, Defog and Wide Dynamic Range. Rated IP67 for an additional degree of environmental protection.

Exceptional Image Quality

With 4MP @ 30fps the camera produces exceptionally high Image quality. It supports H.265/H.264 video compression, multi-level video streaming configuration, support Basic/ Main/ High Profile H.265 encoding complexity.

This dome camera can support up to 128 GB Micro SD/SDHC/SDXC card storage and 10M/100M Ethernet Port.

Authentication Support for Higher Security

Illustra IP cameras have been designed to protect against cyber-threats. Additionally, for greater security, the Camera supports three-level user authentication− management,

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user and password authorization, IP address filtering and anonymous access. Basic authentication is supportable in Web browser configuration.
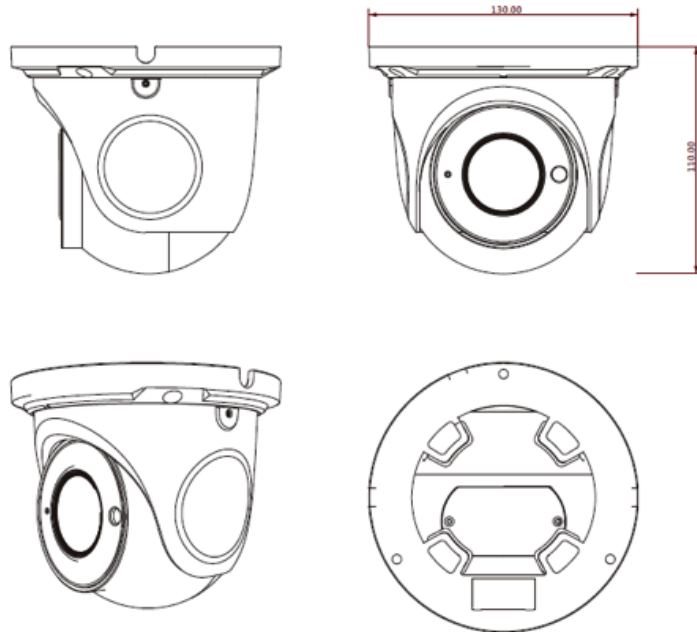
ONVIF Support
Camera supports ONVIF (Profile S & G) protocol, up to 3 streams providing flexibility of video stream recording, live view at different resolutions and bitrate configuration options.
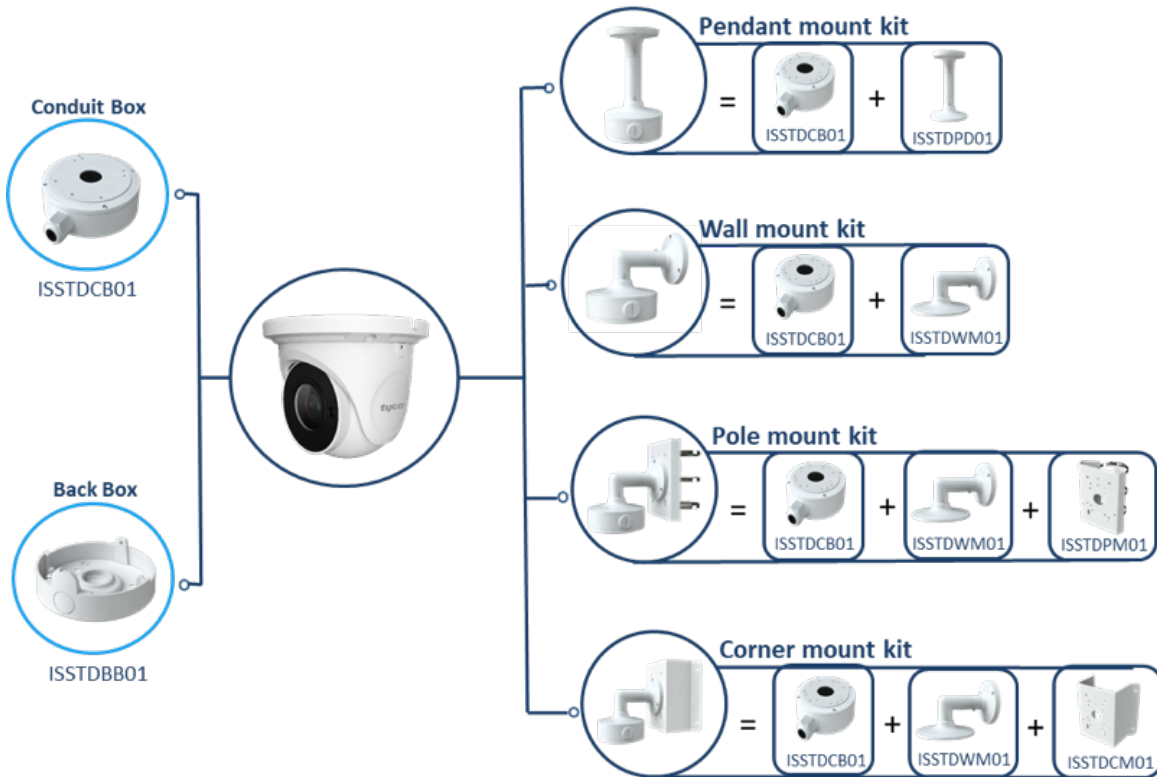
Specifications

Camera	
Image Sensor	1 / 2.7" Progressive Scan CMOS
Effective Pixels	2560 × 1440
Min. Illumination	Color: 0.011 Lux @ F1.2, AGC ON; 0 lux with IR Color: 0.016 Lux, @ F1.4, AGC ON; 0 lux with IR
Shutter Speed	1 s to 1/100,000 s
S/N Ratio	≥52 dB
Angle Adjustment	Pan : 0°–360°, Tilt : 0°–80°, Rotation : 0°–360°

Lens	
Focal Length	2.8 – 12 mm @ F1.4, manual varifocal zoom lens
Iris Type	Fixed Iris
Field of View (H/V)	Horizontal: 94° ~ 35.7°, Vertical: 62.2° ~ 20.5°
Lens Mount	ø 14

Video	
Video Compression	H.265 / H.264
H.264 Compression Standard	Base Line / Main Profile / High Profile
H.265 Compression Standard	Main Profile @ Leve4.1 High Tier
Resolution	4MP(2560×1440), 1080P(1920x1080), 720P(1280x720), D1, CIF, 480 x 240
Max. Frame Rate	30fps @ 4MP (2560×1440)
Video Bit Rate	64Kbps – 5 Mbps
Multiple Streaming	Triple streams
Main Stream	60Hz: 4MP/1080P/720P(1–30fps); 50Hz: 4MP/1080P/720P(1–25fps)
Sub Stream	60Hz: 720P(1-15fps)/D1/CIF (1–30fps); 50Hz: 720P(1-12fps)/D1(1–25fps)/CIF(1–25fps)
Third Stream	60Hz: D1/CIF/480x240(1–30fps); 50Hz: D1/CIF/480x240(1–25fps)
Smart Codec	ROI, 3 zones
Quality Control	Five levels under VBR; Freely adjustable under CBR
Image Setting	time stamp, text overlay, flip & mirror, ROI, Saturation, Brightness, Chroma, Contrast, Wide Dynamic, Sharpen, white balance, video rotation, Scheduled profile settings, AGC

Audio	
Audio Communication	Built-in MIC
Audio Compression Format	G711A/G711U
Audio Bit Rate	128Kbps

Operational	
Day & Night	IR cut filter with auto switch
Wide Dynamic Range	Yes
IR Distance	Up to 50M
Digital Zoom	Yes
Image Features	Defog, BLC, HLC
Video Privacy	4 zones video mask

Intelligent Video Analytics	Object removal (object left/missing detection), scene change and video blur detection, intrusion and line crossing
Alarm Triggers	Motion detection, Intelligent video analytics, Network disconnect, video tampering, IP address conflict, illegal login, SD Card full, SD Card error, Alarm input, Alarm output
Edge Storage	Built-in micro SD card slot, up to 128GB

Network

Network Protocol	TCP/IP, UDP, DHCP, NTP, RTSP, PPPoE, DDNS, SMTP, FTP, UPnP, Unicast, Multicast, ICMP, HTTP, HTTPS, DNS, DDNS, RTP, RTCP, IGMP, 802.1X, QoS, Ipv4, Ipv6
Cyber Security	HTTPS / IP Filter / IEEE 802.1X / Blacklist & whitelist / account security / telnet access control / serial password
Online Connection	Support simultaneous monitoring for up to 4 users; Support multi-stream real time transmission
Remote Monitoring	Webviewer browsing, Holis Pro, Holis Lite, ExacqVision, Victor
API	ONVIF Profile (S & G), HAPI3

Interface

Network	1 RJ45 10M/100M self-adaptive Ethernet port
Audio	Built-in MIC
Onboard Storage	Built-in micro SD/SDHC/SDXC slot
Hardware Reset	Yes

Environmental

Operating Temperature	– 30 °C to 60 °C
Operating Humidity	10 % to 90 % relative humidity
Ingress Protection	IP67
Vandal Resistance	IK10

General

Power Supply	DC12V / PoE
Power Consumption	< 6W
Dimensions (mm)	ø 130 × 110
Material	Metals
Weight	≈ 0.65kg
Installation	Ceiling mounting (Wall mounting available with the junction box and bracket)
Warranty	3 years

Regulatory

Emissions	FCC Part 15.107 Class A, FCC Part 15.109 Class A , EN 55032, EN 55035 (IEC 61000-4-2, IEC 61000-4-3, IEC 61000-4-4, IEC 61000-4-5, IEC 61000-4-6, IEC 61000-4-8)
Immunity	EN 55030-4
Safety	UL 62368-1, IEC 62368-1 EN 62368-1, CAN/CSA C22.2 No. 62368-1-14, J62368-1, AS/NZA 62368.1
Environment	RoHS (IEC 62321-3-1, IEC 62321-5, IEC 62321-4, IEC 62321-6, IEC 62321-7, IEC 62321-7-2, IEC 62321-8), WEEE, REACH
NDAA Compliant	Yes

Dimensions

130.00

110.00

Accessories

Conduit Box

ISSTDCB01

Back Box

ISSTDBB01

Pendant mount kit

= ISSTDCB01 + ISSTDPD01

Wall mount kit

= ISSTDCB01 + ISSTDWM01

Pole mount kit

= ISSTDCB01 + ISSTDWM01 + ISSTDPM01

Corner mount kit

= ISSTDCB01 + ISSTDWM01 + ISSTDCM01

Ordering Information

	Model Number	Description
Camera	ISE-T04V014S-N	H.265 4MP Manual V/F IR Turret N/W Camera, 2.8-12mm, 50M IR, Micro SD, DC12V/PoE, IP67/IK10, IVA
Accessories	ISSTDBB01	Backbox for Vandal Dome
Accessories	ISSTDCB01	Conduit box for Vandal Dome
Accessories	ISSTDPD01	Pendant mount for Standard Dome (use with ISSTDCB01)
Accessories	ISSTDWM01	Wall mount for Standard Dome (use with ISSTDCB01)
Accessories	ISSTDPM01	Pole mount for Standard Dome (use with ISSTDWM01 & ISSTDCB01)
Accessories	ISSTDCM01	Corner mount for Standard Dome (use with ISSTDWM01 & ISSTDCB01)

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