

Digital Video Recorders

Performances at the 293,000 square foot Walt Disney Concert Hall in Los Angeles can draw up to 10,000 attendees. Intellex, Network Client Remote Management Software, MegaPower Matrix Switcher/Controllers and 97 SpeedDome Ultra programmable dome cameras form the core of the integrated security system that safeguards them.



Digital Video Recorders

American Dynamics offers the most comprehensive range of digital video recorders on the market. Available in a range of hardware platforms, including an IP-based platform, there is a system tailored to fit nearly any application. Both the Intellex and ADTVR are integrated with Software House and Kantech access control systems.

Intellex Digital Video Recorders

From smaller installations (Intellex LT) to mid-size applications (Intellex DVMS) and now to more demanding applications requiring higher resolution and performance (Intellex Ultra), there is a solution for any situation. Plus, we provide the flexibility of IP-based video surveillance (Intellex IP) and every platform can be remotely managed using Network Client Remote Management Software.

But Intellex does more than just record. You can simultaneously record and play back video, text, and audio while using sophisticated search functions to define and find only those important events meeting your criteria. Our patented Active Content Compression (ACC) technology lets you easily play back video frame by frame, forward or reverse. For added flexibility and control, install Network Client on a Windows-based PC with a network connection and you'll have control of every Intellex on your system, no matter how distributed or decentralized the operation.

TVR Series of Digital Video Recorders

ADTVR and ADTVR-VS series of embedded digital video recorders utilize the latest technologies, including H.264 video compression and TCP/IP network access to ensure superior recording and remote management. The embedded Linux OS provides extremely reliable digital video recording in an economical package.

ADTVR and ADTVR-VS are widely used in banking, transportation, government, retail and other applications because of their simplicity. Whether used as a standalone unit or as a remotely managed system with a web client or iPhone mobile device, the ADTVR series offer a powerful, yet affordable, solution.

The ADTVR Viewer iPhone application allows remote camera control and viewing, giving users peace-of-mind, as they monitor their premises from anywhere. Email on alarm can send three snapshots directly to any other email enabled SmartPhone.

INTELLEX DIGITAL VIDEO MANAGEMENT SYSTEMS COMPARISON TABLE

	Intellex Ultra (Premier)	Intellex DVMS (Standard, Deluxe & Premier)	Intellex LT	Intellex IP (Premier)
Maximum Images per Second (NTSC/PAL):				
4CIF	480/400	240/200	120/100	240/200
2CIF	480/400	480/400	240/200	240/200
1CIF	480/400	480/400	480/400	480/400
Storage Capacity	1.0 TB, 2.0 TB, 3.0 TB, 4.0 TB (RAID5 3.0 TB)	250 GB, 500 GB, 1.0 TB, 1.5 TB	250 GB, 500 GB	1.0 TB, 2.0 TB, 4.0 TB
Windows® XP Pro	Yes	Yes	Yes	Yes
Record Mode	Linear or Circular/Continuous	Linear or Circular/Continuous	Linear or Circular/Continuous	Linear or Circular/Continuous
Pre-Alarm Recording	Yes (up to 5 minutes)	Yes (up to 5 minutes)	Yes (up to 60 seconds)	Yes (up to 5 minutes)
Alarm Indexing	Yes (15 minutes)	Yes (15 minutes)	No	Yes (15 minutes)
Alarm/Event Notification:				
Remote	Yes (via Network Client)	Yes (via Network Client)	Yes (via Network Client)	Yes (via Network Client)
Local	Yes	Yes	Yes	Yes
Email	Yes	Yes	Yes	Yes
Video Resolutions Available:				
4CIF (NTSC/PAL)	704 x 480/704 x 576	704 x 480/704 x 576	704 x 480/704 x 576	704 x 480/704 x 576
2CIF	704 x 240/704 x 288	704 x 240/704 x 288	704 x 240/704 x 288	704 x 240/704 x 288
1CIF	352 x 240/352 x 288	352 x 240/352 x 288	352 x 240/352 x 288	352 x 240/352 x 288
Text Insertion (Via Serial Port)	Yes (16 channels)	Yes (up to 8 channels)	Yes (up to 8 channels)	Yes (16 channels)
Video Analysis Tools (Size, Speed, Direction of Motion)	Yes	Yes, Premier Edition only	No	No
Smart Search	Yes	Yes	Yes	Yes
Custom Schedule/Weekends	Yes, with IntellexCord	Yes, with IntellexCord	Yes, with IntellexCord	Yes, with IntellexCord
Multi-Screen Playback	Yes	Yes	No	Yes
Covert Camera	Yes	Yes	Yes	Yes
Dome Control	Via Network Client, Browser Client, or Intellex GUI (via ADTT16E, ADACSNET, MP48, MP168, MP1024, MP3200, or other third party switchers)	Via Network Client, Browser Client, or Intellex GUI (via ADTT16E, ADACSNET, MP48, MP168, MP1024, MP3200, or other third party switchers)	Via Network Client, Browser Client, or Intellex GUI (via ADTT16E, ADACSNET, MP48, MP168, MP1024, MP3200, or other third party switchers)	Via Network Client, Browser Client, or Intellex GUI (via ADTT16E, ADACSNET, MP48, MP168, MP1024, MP3200, or other third party switchers, or any IP 422-compatible device)
Alarm-Triggered Camera Action	Yes	Yes	Yes	Yes
User-Defined Matrix & Dome Control Camera Handler	Yes	Yes	Yes	Yes
Activity Log (Who, When, What)	Yes	Yes	Yes	Yes
3rd Party Integration via API	Yes	Yes	Yes	Yes
Chassis Configuration	3U, Desktop/Rack Mount	4U, Desktop or Rack Mount	4U, Desktop	1U, Rack Mount
Alarm Quality & Sensitivity Settings	Yes	Yes	Yes	Yes
Camera-Selectable Frame Rate	Yes	Yes	Yes	Yes
One-Click Clip Export	Yes, CD-RW/DVD-RW	Yes, CD-RW/DVD-RW	Yes, CD-RW/DVD-RW	Yes, CD-RW/DVD-RW
Extended Storage Devices	Yes	Yes	Yes	Yes
Support for Remote Configuration & Management	Yes	Yes	Yes	Yes
NTSC/PAL Toggle	Yes	Yes	Yes	N/A



Forward/Reverse Playback

Closely examine recorded video of suspicious activities one frame at a time, forward or reverse-something that is difficult to do with MPEG-4 solutions.

Intellex Ultra:

- Gain the ability to multiplex, detect alarms and events, record video, audio and text, and much more
- Set dome presets, patterns, and configurations right from the Intellex GUI
- Search for specific clips using video analysis tools and advanced text
- Operate Intellex like a virtual matrix via Network Client with CCTV keyboard-based camera control and an expanded capacity to stream video simultaneously from multiple cameras*
- React faster to potential emergencies with immediate email notification of system events and alarms
- Customize camera views for flexible monitoring
- Respond to events with alarm-triggered dome positioning
- Record higher frame rates per second for certain cameras and assign the remainder to less critical cameras
- Easily export video, audio, and text to CD-RW or DVD-RW with one click of the mouse
- Store more video than MPEG-4 and MJPEG-based systems using patented American Dynamics Active Content Compression (ACC) technology
- Use 3rd party applications-such as access control from Software House and Kantech as well as video forensics, virtual matrix, remote monitoring, and more-integrated with Intellex via the powerful application programming interface (API)
- Windows XP Professional operating system
- 4CIF at 480 ips**
- Separate solid-state system drive
- Front accessible, swappable drives
- Space-saving 3U chassis
- Optional RAID 5 protection
- Steel-reinforced door provides unsurpassed durability and drive protection
- Includes one license of Network Client
- Desktop/rack mount configurable
- Dimensions:
130 x 429 x 546 mm (5.125 x 16.895 x 21.5 in)
- Weight: 17.3 kg (38 lbs)

MODEL NUMBERS

Desktop/Rack Mount Models

ADD600ULPV100

ADD600ULPV200

ADD600ULPV300

ADD600ULPV400

RAID 5 Model

ADD600URP300

ADD600URPV300

* Requires Network Client v4.04 or higher and supports the ADTT16E Touch Tracker Controller, ControlCenter 1100, ControlCenter 200, 300, AD2088 and AD2089.

** All ips measurements reflect NTSC format: 120 ips NTSC=100 ips PAL.

Intellex DVMS



Intellex DVMS:

Standard:

- Set dome presets, patterns, and configurations right from the Intellex GUI
- Operate Intellex like a virtual matrix via Network Client with CCTV keyboard-based camera control and an expanded capacity to stream video simultaneously from multiple cameras*
- React faster to potential emergencies with immediate email notification of system events and alarms
- Customize camera views for flexible monitoring
- Respond to events with alarm-triggered dome positioning
- Record higher frame rates per second for certain cameras and assign the remainder to less critical cameras
- Easily export video, audio, and text to CD-RW/DVD-RW with one click of the mouse
- Store over 9 times more video than MPEG-4 and MJPEG-based systems using patented American Dynamics Active Content Compression (ACC) technology

- Use 3rd party applications-such as access control from Software House and Kantech as well as video forensics, virtual matrix, remote monitoring, and more-integrated with Intellex via the powerful application programming interface (API)
- Smart Search (motion, perimeter, light)
- Search based on date, time, camera, alarm
- Windows XP Professional operating system
- Covert camera
- Includes one license of Network Client
- Supports up to 20 Network Client users
- Control domes from Intellex and Network Client**
- Desktop dimensions:
172 x 432 x 464 mm
(6.75 x 17.0 x 18.25 in)
Weight: 14.50 kg (31.90 lbs)
- Rack mount dimensions:
175 x 432 x 521 mm
(6.875 x 17.0 x 20.5 in)
Weight: 20.39 kg (44.95 lbs)

Deluxe:

Includes ALL the Standard features **PLUS** the following:

- Fourth monitor output (analog call/spot monitor)†
- Export capabilities to CD-RW/DVD-RW

Premier:

Includes ALL the Deluxe features **PLUS** the following:

- Includes one USB to RS-232 converter
- Video analysis tools (size, speed, direction of motion)
- Single channel of live and recorded audio
- Text-based searching and exception recording
- Support for remote text-based searching
- Support for remote video analysis tools
- Single channel of RS-232 text recording (expandable to 8 with additional hardware)
- Export capabilities to DVD-RW

MODEL NUMBER CONFIGURATION FOR INTELLEX ULTRA, DVMS AND LT PLATFORMS

	Brand	Family	Channels	Chassis	Platform	Features	Video Card	Storage
Example Ultra	AD AD	D Digital Video Management Systems	6 6 = 16 Channels	OA OA = Desktop/ Rack Mount Configuration	UL UL = Ultra UR = Ultra RAID ¹³	P P = Premier	V V = Enhanced Video Card	100 100 = 1 TB 200 = 2.0 TB 300 = 3.0 TB 400 = 4.0 TB
Example DVMS	AD	D	6 8 = 8 Channels 6 = 16 Channels	OA OA = Desktop RA = Rack Mount	DV DV = DVMS	S S = Standard D = Deluxe P = Premier	V	025 ¹⁴ 025 = 250 GB 050 = 500 GB 100 = 1.0 TB 150 = 1.5 TB
Example LT	AD	D	4 4 = 4 Channels 8 = 8 Channels 6 = 16 Channels	OA OA = Desktop	LT LT = LT	P	V	025 025 = 250 GB 050 = 500 GB

* Requires Network Client v4.04 or higher and supports the ADTT16E Touch Tracker Controller, ControlCenter 1100, ControlCenter 200, 300, AD2088 and AD2089.

** Requires ADTT16E Touch Tracker Controller, AD168, AD1024, MP48, MP3200, or USB Control Module.

† Available only with 16 channel systems.



All Intellex Platforms Work Seamlessly Together

Whatever platform you choose, Intellex lets you customize your system and Network Client lets you manage them all from the same user interface.

Intellex LT:

- Multiplex, detect alarms and events, record video, audio and text, and much more
- Set dome presets, patterns, and configurations right from the Intellex GUI
- Search for specific clips using video analysis tools and advanced text
- React faster to potential emergencies with immediate email notification of system events and alarms
- Customize camera views for flexible monitoring
- Respond to events with alarm-triggered dome positioning
- Easily export video, audio, and text to CD-RW/DVD-RW with one click of the mouse
- Store over 9 times more video than MPEG-4 and MJPEG-based systems using patented American Dynamics Active Content Compression (ACC) technology
- Connect up to three External Storage Modules (ESM) to expand the local storage capacity
- Use 3rd party applications- such as access control from Software House and Kantech as well as video forensics, virtual matrix, remote monitoring, and more-integrated with Intellex via the powerful application programming interface (API)
- Control domes from Intellex and Network Client
- Single channel of live and recorded audio
- Single channel of RS-232 text recording (expandable to 8 with additional hardware)
- Third monitor output (analog call/spot monitor)

MODEL NUMBERS

4-Channel

ADD400LTPV025

ADD400LTPV050

8-Channel

ADD800LTPV025

ADD800LTPV050

16-Channel

ADD600LTPV025

ADD600LTPV050

Intellex LT

DESKTOP MODELS

8-Channel:

Standard

ADD800DVS025

ADD800DVS050

Deluxe

ADD800DVD050

ADD800DVD100

Premier

ADD800DVP050

ADD800DVP100

16-Channel:

Standard

ADD600DVS025

ADD600DVS050

Deluxe

ADD600DVD050

ADD600DVD100

Premier

ADD600DVP050

ADD600DVP100

Deluxe

ADD6R0DVD050

ADD6R0DVD100

ADD6R0DVD150

Premier

ADD6R0DVP050

ADD6R0DVP100

ADD6R0DVP150

STORYBOARD AND STREAMING PLAYBACK FEATURES



Our storyboard and streaming playback features provide security professionals the ability to do more with their systems.

Storyboard and Network Client:



and auditing of incidents is required.

Network Client provides the ability to concatenate exported video clips and then play a series of related clips, creating an “incident storyboard”, when video evidence

Streaming Playback:



and select the appropriate drive, then view your stored video.

You can view video from any external source - CD, DVD, network drive, or flash drive, directly from Intellex. Click on the “External” button,



Intellex IP:

- Supports IP cameras and the 4-channel IP encoders, allowing you to plug analog outputs into the units surveillance environment
- Capture up to 4CIF resolution
- Dual embedded Gigabit NIC
- Integrated recording and storage in a 1U rack mount chassis
- Keyboard, video, monitor (KVM) port on front
- Windows XP operating system
- 1.0 TB, 2.0 TB, and 4.0 TB SATA hard drive configurations
- 16 video inputs
- Simultaneously record, play back, view remotely, conduct a search, and more
- Text-based searching and exception recording
- Search based on date, time, camera, alarm
- Smart Search (motion, perimeter, light)
- Single channel of live and recorded audio
- Single channel RS-232 text recording (expandable to 8 with additional hardware)
- CD-RW/DVD-RW combo drive
- Multi-screen playback
- Third party applications such as access control from Software House and Kantech can be integrated with Intellex via application programming interface (API)
- Alarm notification to remote software
- Pre-alarm recording and activity logging
- Image printing and enhancement tools
- Individual camera settings for sensitivity, quality, and scheduling with IntelleCord (record all, alarmed recording, and so on)
- Alarm quality and sensitivity setting
- Covert camera
- Selectable frame rates
- Supports external storage (via FireWire®) or iSCSI
- Seamless integration with other Intellex products
- Includes one license of Network Client Remote Management Software
- Support for up to 20 simultaneous Network Client users
- Control domes from Intellex and Network Client*
- Dimensions:
44 x 447 x 546 mm
(1.75 x 17.6 x 21.5 in)
- Weight: 11.82 kg (26 lbs)

MODEL NUMBERS

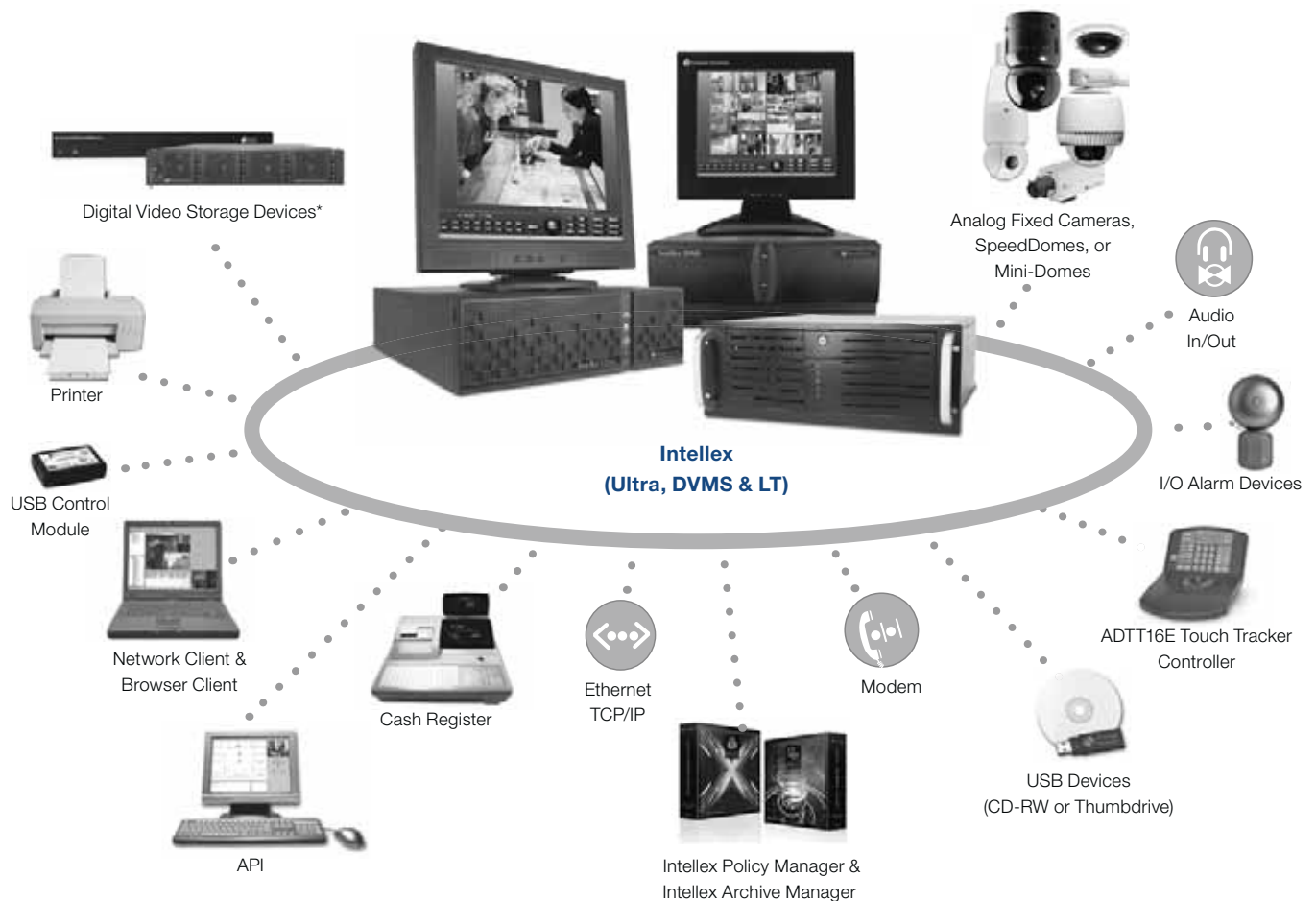
ADDIP100

ADDIP200

* Requires the ADTT16E Touch Tracker Controller or an AD1024, MP48, or MP3200.

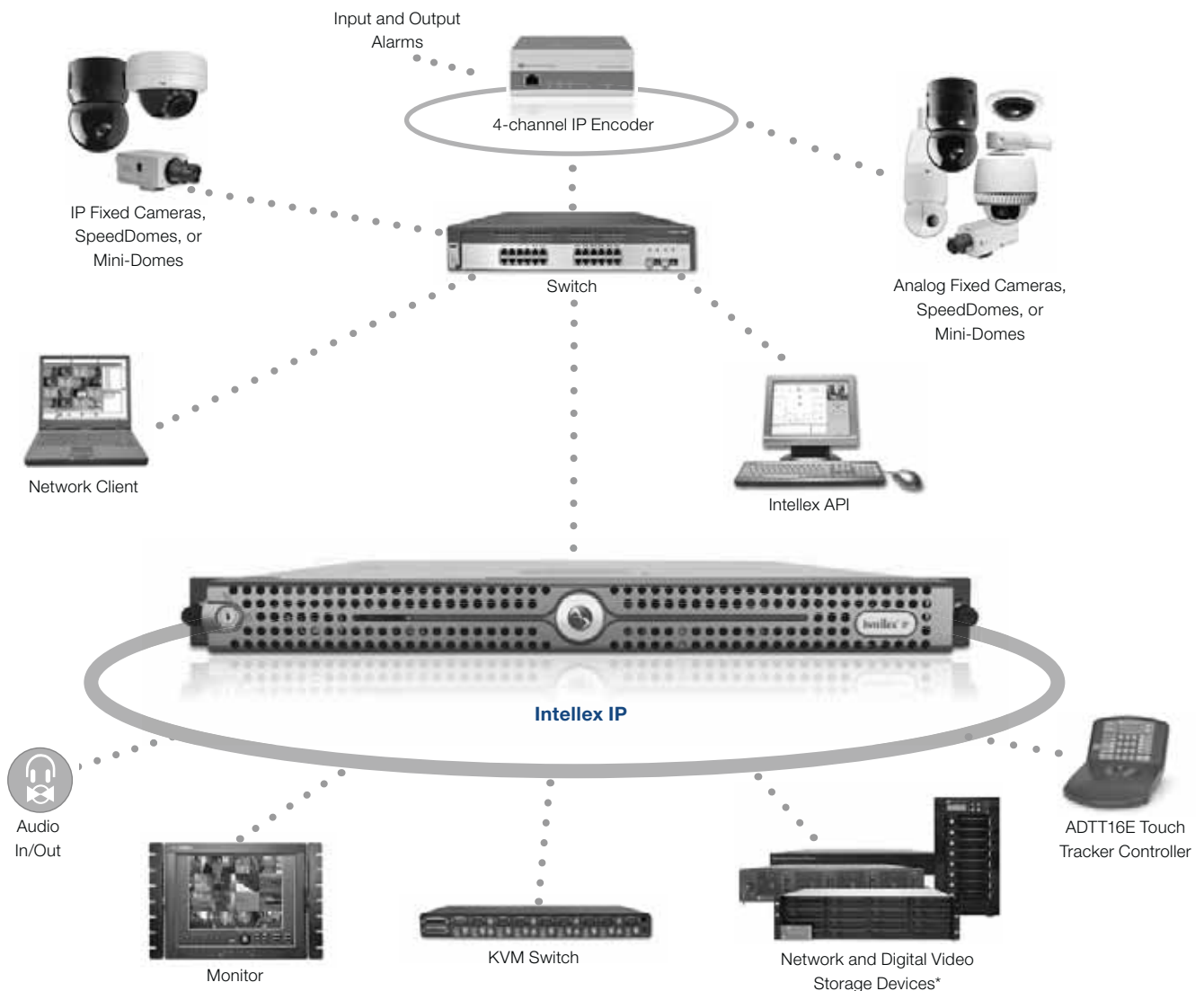
Intellex Ultra, DVMS and LT

SYSTEM DIAGRAM



Whatever platform you choose, Intellex lets you customize your system. Add fixed cameras and SpeedDomes and operate them with the ADTT16E Touch Tracker Controller. Display video on a variety of monitors, integrate I/O alarm devices, stream in audio or ASCII text from cash registers. Even add a printer. Need more storage capacity? Install up to three External Storage Modules (ESMs) for each Intellex DVMS or LT, or the RAID Storage System for Intellex Ultra. Want to integrate your video with 3rd party software? The Intellex API provides a set of programming interfaces that enable interoperability with access control and business management software applications.

* ESM compatible with only Intellex DVMS, LT, or IP; RAID Storage System is compatible with Intellex Ultra v4.0 Service Pack 1 (v4.03) or higher.



With Intellex IP, you can connect both IP cameras and - via video encoders - analog fixed cameras and SpeedDome programmable dome cameras. Network Client lets you access surveillance video directly from your computer network while a switched network minimizes the impact on bandwidth by segregating the traffic generated by the cameras and video encoders from the rest of the system. You can expand your storage capacity by adding up to three ESMs and get interoperability with 3rd party software for access control, point of sale systems, and other applications that integrate with the Intellex API. Intellex IP is compatible with all Intellex platforms and the Intellex API.

* ESM compatible with only Intellex DVMS, LT, or IP; RAID Storage System is compatible with Intellex Ultra v4.0 Service Pack 1 (v4.03) or higher.

Intellex Accessories

Rack Mount Kits:



- Steel-constructed
- Requires DVMS v2.0 or higher
- Intellex rack mount kit for Intellex with desktop chassis; 16-channel DVMS or LT platforms only
- Intellex BNC rack mount extension kit for 16-channel DVMS or LT desktop platforms only
- Intellex BNC rack mount extension kit enables BNC video and alarm board installation on the back of the rack and connect it to Intellex using flexible extension ribbon cables

MODEL NUMBERS

DVRM-01
UHRM09

Looping Panels:



- Includes a BNC looping board, ribbon cable, right angle audio adapters, and mounting hardware
- Available for Intellex Ultra only

MODEL NUMBER

ADACHULP

USB to RS-232 Adapter:



- Intellex USB to RS-232 adapter; includes 1.83 m (6 ft) cable
- Hardware; Intellex v2.1 or higher
- Software; Intellex v2.4 or higher

MODEL NUMBER

RDVUSB23201

Intellex Accessories*:



- Intellex Ultra hard drive replacement, 500 GB ADACHDDC500
- Intellex Ultra hard drive replacement, 1 TB ADACHDDC1000
- Intellex 1 to 4 Text Data Port Expander, ext USB, hardware systems v2.1 & higher, software v2.4 & higher.RDVEXP01
- Intellex 1 to 8 Text Data Port Expander, ext USB, hardware systems v2.1 & higher, software v3.1 & higher.RDVEXP02
- Intellex speakers, pair, external, for hardware systems v2.1 & higher, software v2.4 & higher, 120 VACRDVSPK01
- Anti-Virus Protection available at www.americandynamics.net

Software and Firmware Upgrades*:



- Upgrades provide an ever-increasing return on your initial investment; visit www.americandynamics.net

* Check the data sheet at www.americandynamics.net for the current minimum requirements.

ADTVR Embedded Digital Video Recorders

ADTVR COMPARISON CHART

	ADTVR	ADTVR-VS
Video Inputs	4, 8, and 16	4
Audio Inputs	4, 8, and 16	1
Alarm Inputs 4 Ch	4	4
Alarm Inputs 8 & 16 Ch	16	
Alarm Outputs 4 Ch	2	1
Alarm Outputs 8 & 16 Ch	4	
Compression	H.264	H.264
Looping Video Outputs	Yes	No
Video Spot Monitor	1 (route alarms to spot monitor)	1
USB 2.0	3	1
DVD RW	Yes	No
HDD 4 Ch	4 SATA	1 SATA
HDD 8 & 16 Ch	8 SATA	
Network 4 Ch	1 RJ45 10M/100M NIC	1 RJ45 10M/100M NIC
Network 8 & 16 Ch	1 RJ45 10M/100M/1000M NIC	
Chassis	19" Rack Mount	Small Chassis (Single HDD)
Dimensions (H x W x D)	95 mm x 450 mm x 450 mm (3.7 in x 17.7 in x 17.7 in)	45 mm x 315 mm x 230 mm (1.8 in x 12.4 in x 9.1 in)
Compression	H.264	H.264
Frame Rate 4 Ch	CIF: 30ips(NTSC); 25ips(PAL) 2CIF: 30ips(NTSC); 25ips(PAL) 4CIF: 8ips(NTSC & PAL)	CIF: 30ips(NTSC); 25ips(PAL) 2CIF: 12ips(NTSC & PAL) 4CIF: 6ips(NTSC & PAL)
Frame Rate 8 & 16 Ch	CIF: 30ips(NTSC); 25ips(PAL) 2CIF: 30ips(NTSC); 25ips(PAL) 4CIF: 12ips(NTSC & PAL)	
Simultaneous Playback 4 Ch	4 Channel Playback (local)	1 Channel Playback (local)
Simultaneous Playback 8 & 16 Ch	8 Channel Playback (local)	
Email Notification	Yes	No
File Lock	Yes	No
Reverse Playback	Yes	No

ADTVR Embedded Digital Video Recorders

Remote Client - Multi-Camera Playback of Recorded Video



Remote Client - Manage up to 256 ADTVR Devices



Common ADTVR Remote Client supports entire ADTVR series providing centralized operation, alarm monitoring, and system maintenance.

ADTVR:

- 4, 8, and 16 video input models available (NTSC/PAL)*
- Each channel has independent, H.264 hardware compression
- Audio for all channels
- Multi-zone motion detection
- Email alarm image upon motion or alarm
- Option to select the number of days to retain recorded video
- Lock and unlock option to secure critical video events
- Simultaneous playback - upto 8 cameras from local interface
- Export video clips with player
- Export and import configuration settings
- Log management system with powerful query options
- Local or remote PTZ control, multiple dome protocols available
- TCP/IP, PPPoE, DHCP, DNS, DDNS, NTP, and SADP support
- Supports unicast & multicast IP technologies
- Web client operator interface using Internet Explorer
- ADTVR Viewer iPhone Mobile Client Application
- Full featured remote client software
- Centralized alarm interaction at remote host PC

MODEL NUMBERS

ADTVR04050 4 channel, 500GB	ADTVR16050 16 channel, 500GB
ADTVR04100 4 channel, 1TB	ADTVR16100 16 channel, 1TB
ADTVR08050 8 channel, 500GB	ADTVR16200 16 channel, 2TB
ADTVR08100 8 channel, 1TB	ADTVR16400 16 channel, 4TB
ADTVR08200 8 channel, 2TB	

* The number of video inputs varies with different models.



Remote Client - Live View Display

Remote Client - Electronic Maps
(add camera icons, monitor alarms)



The single hard drive chassis is ideal for standalone, as well as remotely managed, low camera count applications in support of small to mid-sized business applications.



ADTVR-VS:

- 4 video inputs (NTSC/PAL)
- Each channel has independent, H.264 hardware compression
- 1 audio input
- Supports 4CIF, 2CIF, CIF, and QCIF record resolutions
- Supports both variable bit & frame rate
- Multi-zone motion detection
- Flexible Recording Options: by schedule, manual, motion, alarm, motion & alarm, motion or alarm
- Support video loss, camera tamper alarm and privacy mask function
- Option to select the number of days to retain recorded video
- Export video clips with player onto removable USB pen drive
- Export and import configuration settings
- Log management system with powerful query options
- Local or remote PTZ control, multiple dome protocols available
- TCP/IP, PPPoE, DHCP, DNS, DDNS, NTP, and SADP support
- Supports unicast & multicast IP technologies
- Web client operator interface using Internet Explorer
- TVR Viewer iPhone Mobile Client Application
- Full featured remote client software
- Flexible management of user access privileges
- Centralized alarm interaction at remote host PC
- Local and remote firmware upgrade capability
- VGA or Composite Main monitor output
- Composite Spot monitor output

MODEL NUMBERS

ADTVRVS04025
4 Channel, 250GB

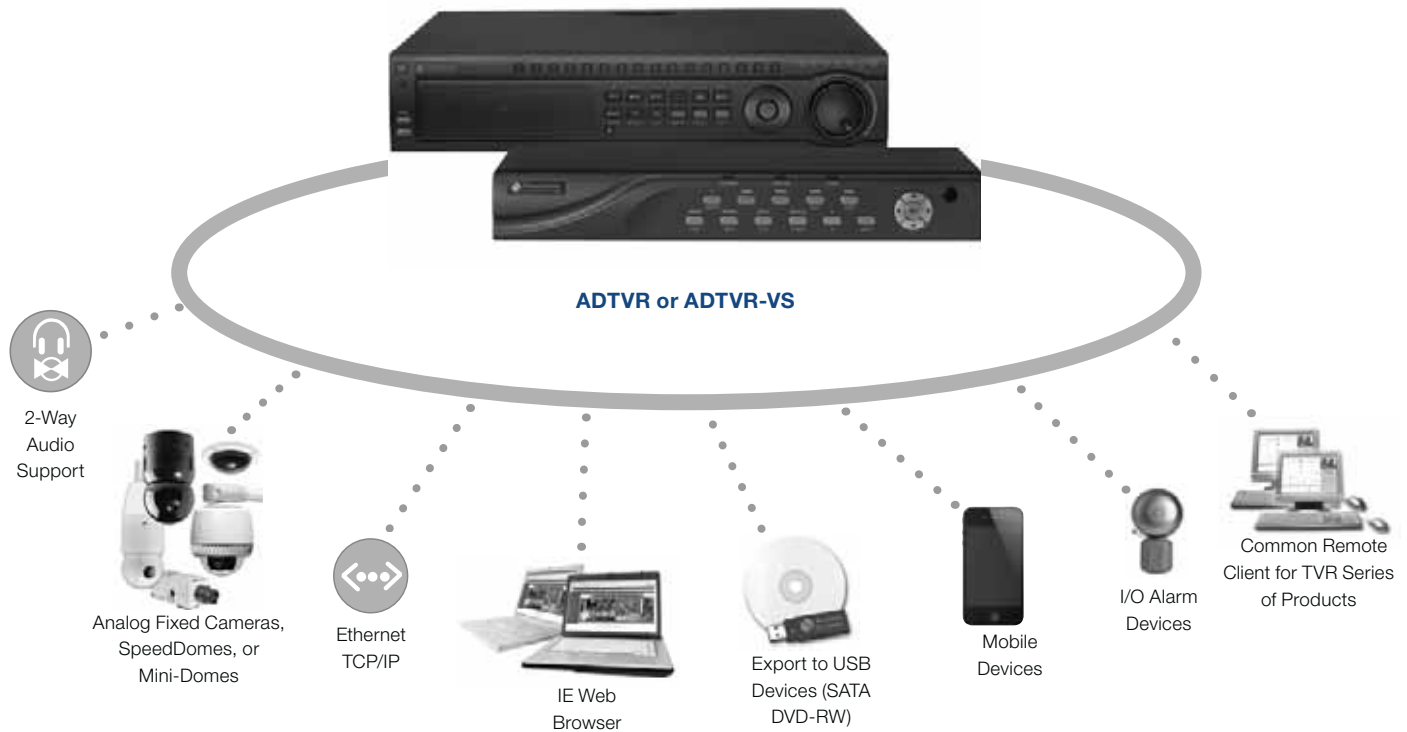
ADTVRVS04050
4 Channel, 500GB

ADTVRVS04100
4 Channel, 1TB

ADTVRVS04000
4 Channel, No Hard Drive

ADTVR Embedded Digital Video Recorders

SYSTEM DIAGRAM



ADTVR Remote Client

The simplicity of operation as a standalone unit or as a "fully scalable" remotely managed system allow the ADTVR and ADTVR-VS to be widely used in banking, transportation, government, retail and other video recording applications. The included Remote Client software provides complete operation, maintenance and management functions including:

- Common Remote Client for entire TVR series
- Multiple camera playback of recorded video
- Centralized remote alarm monitoring
- Popup live camera view on event
- 2-way audio support
- Remote configuration and maintenance
- Advanced H.264 based network optimization tools
- Live viewing of up to 64 cameras from single Remote Client
- Manage up to 256 TVR devices from single Remote Client
- Interactive electronic maps (add camera icons, monitor alarms)
- Dual LCD display support from single Remote Client
- Upload event triggered video recording to centralized Remote Client
- Remote export / import system configuration files
- Main Stream and Sub Stream encoding parameter support