



WatchNET[®]

Security Since 2000

Integrated Security Solutions

PRODUCT CATALOG



WatchNET
ACCESS



NetFLOW-EC
Enterprise Class Software

VMS-PRO
Enterprise Class VMS Solution

edge LPR

WatchNET^{IoT}

www.watchnetinc.com

WatchNET Inc. is a leading manufacturer and supplier of quality **video surveillance, access control, data storage and audio communications equipment**. Since our founding in 2000, we have been providing highly developed, competitively priced, integrated security solutions. With our dedication to quality and attentive customer service, we have excelled in developing cutting-edge products that take conventional security to a new level.

WatchNET is a global company with locations in Canada, the US, India and the Middle East. With on-going expansion in the US and Middle East, we now have more than 30,000 square feet of stocked warehouse and office facilities. Coupled with numerous partnerships across the globe, we truly become an international security solutions provider.

New accession to '**WatchNET Access Control System**' club is the 'WatchNET Access Cloud'; state-of-the-art cloud-based solution. Years of research and development, and market studies enabled WatchNET to bring access control solutions that are truly outstanding and capable of providing single door to enterprise level security with video and intrusion integration.

WatchNET offers new technologically advanced products, including Recorders, large storage with dual-controllers, hybrid video recording technology combined with smart cameras offering the highest resolution available in analog and network video recording along with WatchNET Access Cloud (a cloud-based solution), enterprise class HD-VMS software and integrated security solutions.

WatchNET takes great pride in maintaining a team-based work environment. Our clients are drawn to us, because of our commitment to delivering quality solutions as well as our superior customer service.

Having built our reputation on dedication to our clients, WatchNET remains committed to customer satisfaction. We understand that quality products and reliable service and support are the exact ingredients for success in a competitive security market. With this in mind, we strive to conduct our business with integrity as we continue to deliver the quality of product and support that has been our recipe for success.

WatchNET has a great bond with all our customers. In fact, I would go as far as to say that our clients are much more than a customer, they are our close friends!

Alex Thomas
President & CEO

INDEX

Enterprise Class Recorder / Storage	Page 1
Enterprise Recorders & Servers (Linux)	Page 3
VMS Media Gateway	Page 4
Enterprise Class VMS Software	Page 5
NetFlow-EC (PSIM)	Page 7
Enterprise Recorders & Servers (Windows)	Page 9
Network Video Recorders (Linux Embedded)	Page 10
Penta-Brid Recorders	Page 11
360° Panoramic HD Cameras (12MP & 6MP)	Page 12
Artificial Intelligence (Cameras)	Page 13
Artificial Intelligence (Recorders)	Page 14
Professional Series Cameras	Page 15
Value Line Series Cameras	Page 20
ANPR	Page 25
Speciality Cameras	Page 27
XVI Cameras	Page 28
POE/POE+ Switches	Page 30
Mounting Attachments	Page 31
Access Control	Page 32
Enterprise Class Access Management Software	Page 39
Precision Water Leak Detection System	Page 42
Professional Training Programs	Page 44
Projects & Customized Solutions	Page 45

Ultimate Platform for PSIM



Megapixel
Cameras



Recorder



Storage



VMS
Media Gateway



Access
Control



Integrated
Solution



Building
Automation

**Integrated Security Management
Solution & Automation**

Single source from a Global Brand.



WatchNET INC

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**Prestigious Installations
Around The World
No Project Is Out Of Reach With
A WatchNET Integrated Solution**



-  Commercial
-  Educational
-  Manufacturing
-  Banking
-  Airport

-  Retail
-  Port Security
-  Transportation
-  Law Enforcement
-  Defense



Corporate offices

- CANADA 
- USA 
- INDIA 
- MIDDLE EAST 

HD Project oriented redundant video recording and storage server

DUAL CONTROLLER architecture for SAS interface, ensures system reliability with cost effectiveness, high performance and maximum data retention

IPVR-24R / IPVR-24DR / IPVR-48R / IPVR-48DR



- 64-bit high-performance multi-core processors, ensures data processing stability
- Modular, pull-out, cableless design
- Support SAS multiple cascade
- Built-in 24 HDD trays in single device and expandable to 240 HDDs, capacity up to maximum 1440TB
- Hi Speed 10-1000Mbps Ethernet port and 4 X Ultra high speed 10000Mbps Ethernet ports
- Support 3.5 inch, 2.5 inch SAS/SATA (1T, 2T, 3T, 4T, 6T)
- Support mixed different capacity HDDs
- Hot swappable HDD trays
- IPVR-24R (Single controller 24 bay) / IPVR-24DR (Dual controller 24 bay)

Customized system design available for projects



- Support standard iSCSI protocol storage and video stream direct storage
- 1536Mbps video storage bandwidth
- Modular, pull-out, cableless design
- Support SAS multiple cascade
- Support RAID 0, 1, 5, 6, 10, 50, 60, JBOD, hot standby
- Onvif and GB28181 protocol support for multiple camera manufacturers
- Easy WEB configuration and setup, no software needed
- Hardware watchdog for self monitoring components
- WatchNET VMS can manage video and recording
- Hot swappable HDD trays
- IPVR-48R (Single controller 48 bay) / IPVR-48DR (Dual Controller 48 bay)

IPVS-24R / IPVS-24DR / IPVS-48R



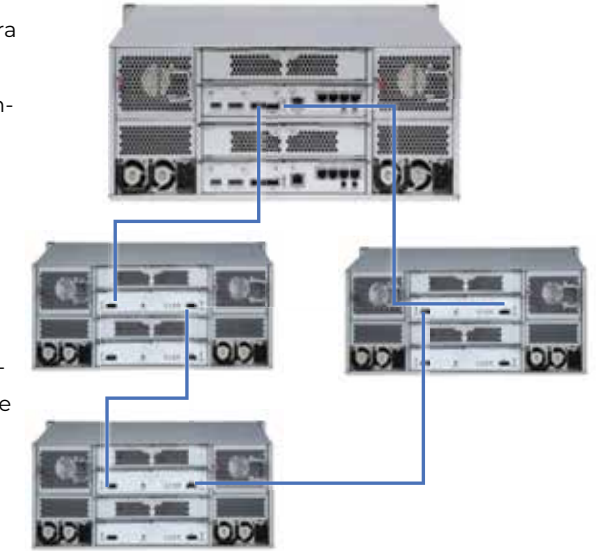
- Modular, pull-out, cableless design
- Support 6TB HDDs
- Hot swappable HDD trays
- Supports online replacement, online expansion
- All modular hardware design
- IPVS-24R (Single controller 24 bay) / IPVS-24DR (Dual controller 24 bay)



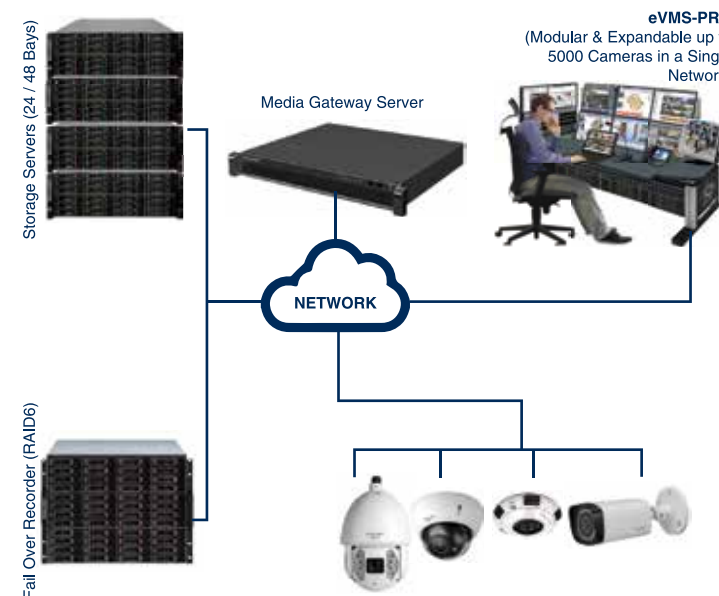
- Supports expansion device cascade with redundancy
- 24 SATA hot-swappable slot
- Hot swappable HDD trays
- Redundant fans and redundant power supply, for 7x24-hour uninterrupted performance
- IPVS-48R (Single controller 48 bay)

Scalable architecture for SAS interface, with DUAL CONTROLLER, RECORDER and storage units

- The WatchNET Recorder storage unit is an integral component of the Enterprise video management solution. It can be scaled from a single camera to thousands of cameras. High performance and reliability of the storage unit makes it an ideal solution in installations of today's demanding redundancy and storage solution.
- WatchNET provides the High end processors and RAID enclosure in one easy to hot swappable pull-out chassis, resulting in both space and cost savings. RAID 0, 1, 5, 6, 10, 50, 60 and JBOD, support is available through a hardware-based RAID controller that removes the loading on the processor
- A convenient web browser interface is used to manage the RAID controller and configuration of the Recorder, without any software required to be installed on client computer.
- Dual controller configuration has the primary system in operation with the other controller providing backup for redundant data storage. If the primary system detects and issue, the back-up system is activated immediately, allowing the Recorder to record in a continuous manner. The switch-over to the secondary system is automatic with self-adaptive 10M/100M/1000M network interfaces.
- With functionalities such as load balancing and network fault tolerance, the IPVR-24DR is capable of handling large video bandwidth to provide smooth recording and playback.
- WatchNET professional VMS can manage live and recorded video and also display multiple screens and virtual matrix.



Scalable architecture with multiple options for video storage expansion



- WatchNET IPVS-series Video Storage provides maximum scalability to meet enterprise level requirements for video surveillance storage.
- Supports 48 hot-swappable SATA 6TB HDDs in a 19U standard rack-mount.
- Users can expand to unlimited units of storage as required.
- Provides high performance fault-tolerant data protection mechanisms and protection of clients' data security, supporting various data protection modes such as RAID 0,1, 5, 6,10, 50, 60 and JBOD.
- WEB based system configuration is used for easy setup, no additional software required to be installed. WatchNET Recorder Recording resilience is enhanced further, with features:
 - Redundant Power supplies and fans
 - Dual controller
 - Hot Standby
 - Multiple RAID configurations
 - MSAS and iSCSI interface

Enterprise Recorders & Servers (Linux)

WatchNET Enterprise Class Recorder and video management systems are industry-leading, enterprise class, digital video surveillance solutions. These Recorders are video system suited to a variety of end user applications. The WatchNET total solution offers all the components of a reliable video surveillance solution such as cameras, encoders, management software, servers, workstations, and extended video storage.

ENX-256HD



- Intel® Core™ i7 Processor
- Up to 128ch@1080P, 256ch@720P realtime recording
- 144TB storage + optional MSAS/iSCSI expansion
- Support 24 hot-swap HDDs / RAID 0/1/5/6/10
- Optional redundant power supply
- High bandwidth up to 512Mbps bitrate

EN-644K



- High performance Dual Core Processor
- 8 SATA III ports, up to 48TB
- 48TB storage + optional MSAS/iSCSI expansion
- Support 8 built-in HDDs / RAID 0/1/5/6/10 50/60 Optional)
- 2 HDMI 4K (up to 3840x2160), 1 VGA
- High bandwidth up to 256Mbps bitrate

ENX-128HD



- Intel® Core™ i5 Processor
- Up to 64ch@1080P, 128ch@720P realtime recording
- 96TB storage + optionalMSAS/iSCSI expansion
- Support 16 hot-swap HDDs / RAID 0/1/5/6/10
- Optional redundant power supply
- High bandwidth up to 384Mbps bitrate
- 4K compatible up to 12MP

COMMON FEATURES

- Linux Embedded Enterprise Class Recorder
- Simultaneous record, playback, live view, archive, or transmission of digital video
- Utilizes Intel processor technology
- Dual/quad Gigabit Ethernet ports (Model dependant)
- SCSI or SAS (Serial Attached SCSI) host bus adapter (HBA) for external storage connectivity
- 2 HDMI, 1 VGA (Default: 2 HDMI+1VGA) (Optional: 6 HDMI sync output / 1 VGA+5 HDMI sync output)
- Network download / USB HDD / eSATA Device
- 4 USB ports (2 USB2.0 on front-panel, 2 USB3.0 on rear panel)
- Fully integrated with WatchNET MPIX line of cameras
- 4 customized zones for privacy masking for each area
- Easy Local GUI & WEB GUI with mouse control
- Smart Phone and Web Access
- ONVIF cameras integration with limited partners
- Supported by WatchNETVMS

PNT-16EXAI



- H.265+/H.265 dual-stream video compression
- Supports HDCVI/AHD/TVI/CVBS/IP video inputs
- HDMI 4K@60fps output
- Up to 16 channel intelligence functions
- Up to 4 channel video stream face recognition
- Up to 24 face pictures/sec processing
- Up to 20 face databases with 100,000 face images in total
- 8 SATA Ports, up to 10TB capacity for each disk



VMS Media Gateway



Client Server



Redundant



Modular



Scalable



Video Analytics



Video Wall



Data Load Balance



VMS Software



VMS-2000D



VMS-1000

VMS Media Gateway

VMS-2000D & VMS-1000 Servers are one of the advanced embedded Video Management platform Server integrating seamlessly with WatchNET CCTV product lineup.

Features:

- Embedded hardware with Client-Server
- High-performance media streaming transfer with storage
- Supports distribute and cascade deployment
- Hot standby & local storage as well as IP-SAN storage
- GIS map (Google, Raster Map) support
- Front panel displays for system service status
- Heat Map, fisheye calibration in playback
- Support POS &
- Support the Playback video through the video wallandbest fit for 24 x 7 rugged operation
- Analytics functionsArchitecture

Performance:

- Supports 1000 channels or 250 input devices
- Supports up to 100 ONVIF Devices
- Supports 500 devices (Auto-register)
- Unlimited accounts management and
- Integrated eMap (maximum 200 CH on a single screen)
- 1000 channel alarm processing per second
- eVMS Pro Client support 4K signal decoding
- Supports maximum of 300TB storage per storage server8000 online users & max 500 roles
- Transfer capability of 350M



Product Overview

eVMS-PRO is one of the robust Embedded Enterprise Class Video Management Platform application in its class. The command control center software that unifies video, audio, and alarm management functionality into a single resource. Our Video Management Platform supports to capture, manage and store Multi-Megapixel IP with automated alert notification on-screen (single or multiple consoles) with a video wall support.

WatchNET provides the most comprehensive and cost effective Video Management Platform and surveillance system for centralized and de-centralized environments.

System Scalability

Scale your system without limitations

eVMS-PRO is an intuitive and robust Video Management Platform (VMP) like no other. Our VMS supports unlimited camera support, unlimited scalability, client workstations, users with simple integration to legacy systems, centralized administration of the system and more. Add one – or hundreds – of cameras anywhere on the network or across the entire organization regardless of geographic location.

Why to choose eVMS-Pro

Enterprise VMS features you experience with great outlook at lowest affordable cost

Wide range of robust features you'd expect to find in an enterprise-level application Video Wall, Health Monitor, unlimited clients and users Highest RESILIENCE to ensure continuous operation Superior Alarm handling with alarm priorities

Flexible with high scalability of VMS without limitations

eVMS-PRO is an intuitive and robust video management Platform application (VMP) like no other Our VMS supports an industry leading number of cameras per server, unlimited scalability, client workstations, users with simple integration to legacy systems, centralized administration of the system

Lower Total Cost of Ownership (TCO) than any other VMS

Affordability, flexibility and a simple licensing model are what sets eVMS-PRO stand out from the crowd since we provide the most cost-effective enterprise class VMP solution on the market.

Simple Camera and Server Installation

eVMS-PRO simplifies complex network configurations and setup by identifying cameras on the network – eliminating the complex installation and we provide intuitive GUI.

Camera Navigation

Locate cameras quickly with a facility map on thick, web and mobile clients.

Remote Viewing

Powerful video surveillance features – even when you're on the go. View full resolution live and recorded images from any server on Apple and Android mobile devices with the free eVMS-PRO App. Email full resolution snapshots and view predefined camera layouts.

Facility Maps

Upload a graphical representation map of your facility layout and place camera icons on the map to represent true location.

Centralized Deployments

eVMS-PRO supports distributed or centralized deployments. When using a centralized server, multiple locations can share a server, maximizing return on the hardware and reducing the upfront cost and maintenance over time.

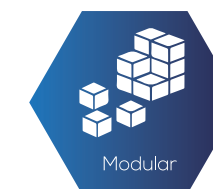
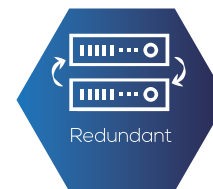
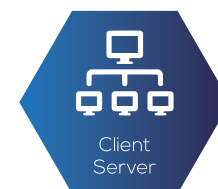
Automation & Alert Monitoring

Rules Manager provides a step-by-step wizard to monitor schedules and events that trigger one or multiple actions. These can be simple snapshot emails on motion during specific time frames or complex multi-step triggers and actions (such as notifying campus security).



System Feature

- Embedded Linux based Platform
- Powerful Client-Server software architecture
- High Flexibility and Scalability
- Distributed Network Video Recorder Solution
- Support unlimited accounts management, 8000 online users and 500 roles.
- Support Mobile Surveillance functions models via apply the corresponding license
- High Compatibility
- All WatchNET's devices are compatible which includes Megapixel Cameras, Speed Dome PTZs, NVRs etc.
- eVMS-PRO Client Application supports Windows OS- Connect third-party devices via standard ONVIF protocol
- SDK for third-party platform or mobile phone do further development





Netflow-EC is an ultimate management platform for **Physical Security Information Management** system able to support integrated security systems of any level of complexity. With Netflow-EC, it is possible to combine fire/security alarms, perimeter security, access control, video surveillance, audio detection, and various industry-specific solutions (Retail, ANPR, ATM, Face Recognition and Video Analytics). The open architecture makes it possible to add integration for other associated security & safety systems. Configuration, management, and monitoring of systems can be performed from a control center or from remote workstations.

NetFlow-EC Applications:

- Video Surveillance with audio recording and Video Analytics
- Access Control Integration
- Fire/Security Alarm System Integration
- Perimeter Security
- Face and License Plate Recognition
- Point-of-Sale / Retail Monitoring
- ATM network protection
- Comprehensive system monitoring
- Automatic recording of traffic violations
- Automatic number plate/license plate recognition for cars, railcars and cargo containers.

OPEN Architecture of NetFlow-EC

Having an open platform allows both integrating new hardware and creating new solutions based on Netflow-EC. All of this can be done by WatchNET or by our partners, independent software developers. WatchNET offers a Software Development Kit (SKD/API) for this purpose.

IP INTEGRATION: HYBRID SYSTEMS

Netflow-EC supports over 8,500 models of IP cameras and IP video servers, including approximately 2,750 IP devices integrated via proprietary manufacturer interfaces. Since many video surveillance systems still rely on pre-IP CCTV hardware, Netflow-EC goes the extra mile to make analog and IP equipment equally at home, even on the same system. This gives users the freedom to choose the equipment with best features and price, as well as gradually upgrade analog CCTV with IP cameras unit-by-unit without massive outlays or forced incompatibilities.

VIDEO ANALYTICS

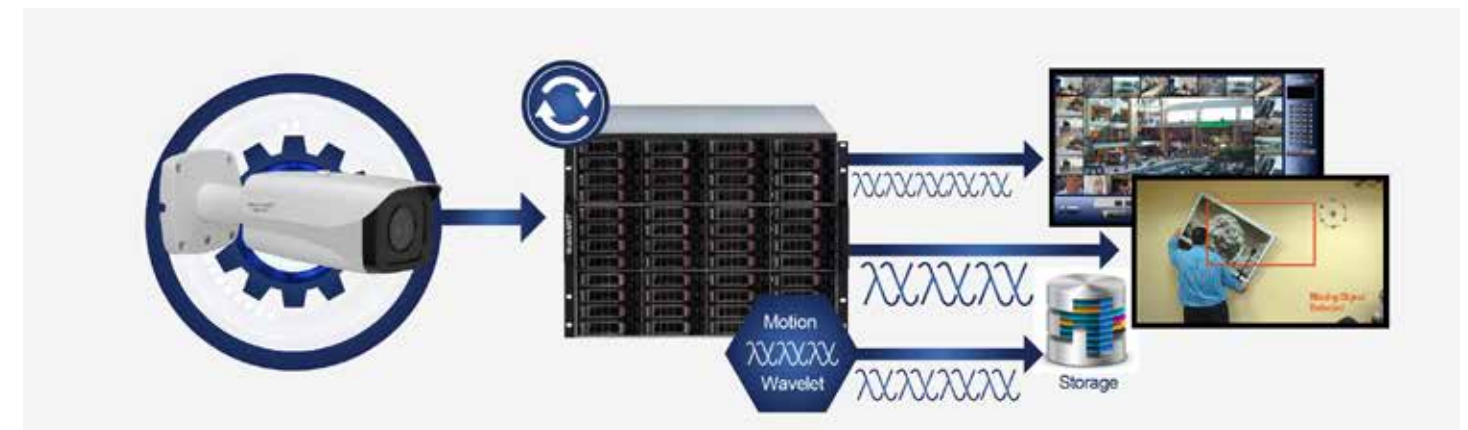
Rich tools for video analytics in Intellect automate video surveillance and reduce the room for human error inherent to traditional methods. Over 10 video detection tools allow configuring video management systems to automatically recognize and monitor situations of concern. Forensic Search makes it possible to find video nearly instantly based on user-set criteria regarding object behavior in the field of view. Compared to the traditional method – rewinding hours of video to find an event of interest – this is a massive timesaver. Intellect also supports edge (on-camera) video analytics and specialized video analytics devices. Using situational analytics, Intellect can create an unlimited number of detection tools.

MOTION WAVELET CODEC

NetFlow-EC is a remarkably advanced distributed physical security information management (PSIM) software platform that combines intelligent video analytics, universal IP connectivity and event-driven automation capabilities in a single environment.

The purpose of NetFlow-EC is to help your business attain a higher level of security than ever before — with less cost, and less effort.

NetFlow-EC PSIM software platform succeeds in giving you these results because it has the built-in intelligence to recognize events as they occur, and the ability to respond appropriately. It also has the capability to distil and present information to support smart, timely decision-making. It achieves this by aggregating data from a wide range of devices and systems, analyzing data more intelligently, and automating processes that could never be automated before.



Main SMaP subsystems

The SMaP shall consist of the following core subsystems:

1. Video/audio surveillance subsystem
2. Monitoring and access control subsystem
3. Fire and intrusion alarm subsystem
4. Perimeter security subsystem
5. POS (monitoring of cash desk transactions) subsystem
6. Recognition of vehicle license plate numbers
7. Face recognition subsystem
8. Subsystem for recognition of registration numbers on rail cars and tank cars
9. ATM Protection Subsystem
10. Time and Attendance Subsystem
11. Visitor Management Subsystem
12. Web Report Subsystem

Enterprise Recorder Servers (Windows based)

ESR-X-24S / ESR-X-24R / ESR-X-8R



WatchNET X (Extreme) Servers

- Preloaded with choice of NetFLOW IP or NetFLOW LT High Definition Video management software. This server is ready for rapid deployment
- Scalable Hybrid recording solution that can record up to 64 Channels in Analog or IP Megapixel cameras
- Two gigabit Ethernet ports allow effective management of bandwidth
- Dual 12 Core Intel Xeon processors
- RAID 5 Drive configuration (Raid 6 Optional)
- 4U/2U Rack (Model specific) mount case with 24/8 removable drive bays
- USB 3 for easy video backup and restore, 8GB Ram; 2TB HDD
- VGA, HDMI, monitors supported at full 1080P resolution
- Windows 64bit OS pre-installed on the SSD drive
- 24/8 SATA ports, up to 144TB(Model specific)
- Please see respective datasheet for detailed specification

WatchNET I (Industrial) Servers

ESR-I-24S / ESR-I-24R / ESR-P6-24R / ESR-P6-24S

- Preloaded with choice of NetFLOW IP or NetFLOW LT High Definition Video management software. This server is ready for rapid deployment
- Scalable Hybrid recording solution that can record up to 64 Channels in Analog or IP Megapixel Cameras
- Two gigabit Ethernet ports allows effective management of bandwidth
- RAID 5 Drive configuration supported, RAID 6 (Optional)
- Embedded Windows 7 PRO platform installed on SSD drive for reliable performance
- VGA / HDMI, monitors supported at full 1080P resolution
- 24 SATA ports, up to 144TB

ESR-I-24S / ESR-I-24R / ESR-P6-24R / ESR-P6-24S /



NDVR-IS-478 / NDVR-IS-4716



NDVR-IS-578



NDVR-IS-478 / NDVR-IS-578 NDVR-IS-1078 / NDVR-IS-4716

- Available with 5 or 10 SATA ports, up to 30/60TB
- 4U Rack mount case with removable drive bays with pre-installed 2TB Enterprise level HDD
- Preloaded with choice of NetFLOW IP or NetFLOW LT
- Software supports 3 monitors output at full 1080P resolution
- Lockable front panel door, two front USB ports
- Scalable TRIBRID recording solution that can record up to 64 Channels (CIF) in Analog, IP, Megapixel

Network Video Recorders (Linux Embedded)

ENMR2-04POE



Easy Remote Connection by QR Code



4 Channel PoE NVR 4K HDMI Output (1U)

- Quad-core embedded processor
- 4CH has a 4 Port PoE built-in Supports total of 4 IP cameras
- Limited integration with ONVIF cameras on all models
- Max 80Mbps Incoming Bandwidth
- 1 SATA III Port, Up to 8 TB capacity for each HDD
- Up to 8MP Resolution for Preview and Playback
- H.264/H.265 codec decoding
- Supports iPhone, Android
- 3D intelligent positioning with WatchNET PTZ camera



Fully integrated with WatchNET MPIX line of cameras

ENMR2-08POE



Multiple network monitoring:
WatchNETVMS, MVS Pro mobile & Web Viewer



Easy Remote Connection by QR Code



8 Channel PoE NVR 4K HDMI Output (1U)

- Quad-core embedded processor
- 8CH has a 8 Port PoE built-in Supports total of 8 IP cameras
- Limited integration with ONVIF cameras on all models
- Max 80Mbps Incoming Bandwidth
- 1 SATA III Port, Up to 8 TB capacity for each HDD
- Up to 8MP Resolution for Preview and Playback
- H.264/H.265 codec decoding
- Supports iPhone, Android
- 3D intelligent positioning with WatchNET PTZ camera



Fully integrated with WatchNET MPIX line of cameras

EN-16POE (16 Port PoE Built-In) / EN-32



Easy Remote Connection by QR Code



16CH 2U & 32CH Embedded NVR (1.5U)

- High performance Dual-core embedded microprocessor
- 16 channel synchronous realtime playback, GRID interface
- HDMI/VGA/TV simultaneous video output
- 5MP(2560x1920) / 3MP(2048x1536) / 1080P(1920x1080) / 720P(1280x720)/ D1(704x576/704x480)
- 6 Port POE Built-in)
- Alarm triggering, OSD, siren, PTZ preset, e-mail, FTP upload
- Max. SATA Drive Supported - 8TB
- 1x HDMI, 1x VGA monitor outputs

Model EN-16POE

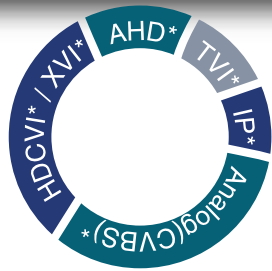
- 16 channel IP Camera Inputs
- Alarm Inputs & Relay Outputs - 8x3

Model EN-32

- 32 channel IP Camera Inputs
- Alarm Inputs & Relay Outputs - 16x4
- Dual GigaBit LAN port for fast communication



Fully integrated with WatchNET MPIX line of cameras



Introducing NEW Commercial Penta-brid 5 in 1 NDVR

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All product specifications are subject to change without notice.

TRB-08E / TRB-16E



8 & 16 CH Penta-brid DVR (1.5U)

- 1.5U Standalone DVR, Embedded LINUX OS
- Supports additional channels using IP Cameras:
8CH DVR + 4 extra IP channels = Total of 12 channels
16CH DVR + 8 extra IP channels = Total of 24 channels
- H.264 dual-stream video compression
- Supports 1 SATA HDD up to 6TB each
- HDMI / VGA simultaneous video output
- GRID interface & smart search
- Multiple network monitoring: WatchNET VMS, MVS Pro mobile & Web Viewer
- HD over UTP or Coax cable
- 3D intelligent positioning with WatchNET PTZ camera
- WatchNET Exclusive Point-To-Zoom PTZ Feature with XVi PTZ dome camera

Also available in 2U (8 HDD Bay).
Model No. TRB-16EX

EVI-3221E



8 & 16 CH Penta-brid DVR (1.5U)

- 1.5U Standalone DVR, Embedded LINUX OS
- Supports additional channels using IP Cameras:
8CH DVR + 4 extra IP channels = Total of 12 channels
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Also available in 2U (8 HDD Bay).
Model No. TRB-16EX

EVI-3221E



Multiple network monitoring:
WatchNET VMS, MVS Pro mobile & Web Viewer



8 & 16 CH Penta-brid DVR (1.5U)

- Max IP camera resolution 6MP
- Supports up to 2.1MP XVi/HDCVI/TVI/AHD
- Embedded processor
- H.264+/H.264 dual-stream video compression
- Penta-Brid supports:
(XVi/HDCVI)/AHD/CVBS/TVI/IP video inputs
- Max 32 channels total (16CH IP Max)
- Max 128Mbps Incoming Bandwidth
- Up to 8HDD can be installed for total of 64TB
- Audio In/Out - 16 Audio In, 1 Audio Out, BNC
- Interface - 2 RJ-45 Port (1000M)
- USB - 4 USB Ports (2 USB 2.0, 2 USB 3.0)
- Two-way Talk - 1 Mic In, 1 Mic Out, BNC
- Alarm Input - 16 channel
- Relay Output - 6
- Multi-screen display - 1/4/8/9/16/25/36

XVi MPIX Fully integrated with WatchNET
MPIX & XVi line of cameras

12 MP 3600 Panoramic IR View Fisheye Network Camera



MPIX-12-360-FIR

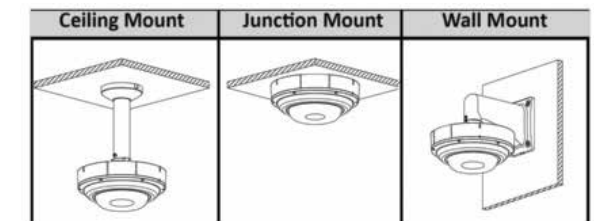
- 1/1.7" 12MP progressive scan CMOS
- Max 25fps@12M(4000x3000)
- Angle of View H: 180°, V:180°
- H.265 / H.264
- Multiple dewarped mode
- Smart detection supported, Intelligent Function
- 1.98mm fixed lens
- Max. IR LEDs length 10m (33ft)
- 1/1 channel In/Out, Built-in Mic (Optional, Special Order)
- Micro SD memory, IP67, IK10, PoE
- Multiple network monitoring: Built-in web server & Multifunction VMS
- Operating Temperature:
-30°C ~ +60°C
-22°F ~ +140°F
- Supports iPhone, Android
- Micro SD card, Max 128GB

4 x 2 Megapixel IR Dome Camera



MPIX-4X2-MSC360

- Four 1/2.8" 2Megapixel progressive scan CMOS
- H.265&H.264 dual-stream encoding
- 25/30fps@2M(1920x1080)
- Smart Detection supported
- WDR(140dB), Day/Night(ICR), 3DNR, AWB, AGC, BLC
- 2.7mm~12mm motorized lens
- Max. IR LEDs length 30m(98ft)
- Micro SD memory, IP67, IK10, PoE+
- Multiple network monitoring:
Web viewer, eVMS-PRO & HD-VMS
- Smart phones compatible



Optional Brackets:





4MP WDR IR Bullet AI Network Camera

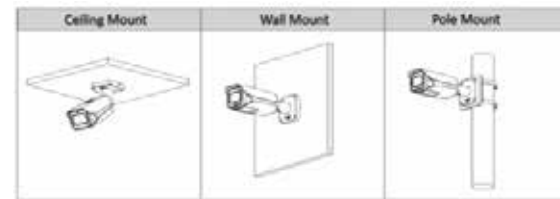


NightPixel Low Light Enhancement



MPIX-40-BILR-AI

- 1/1.8" 4Megapixel progressive scan CMOS
- H.265 & H.264 triple-stream encoding
- 25/30 fps@2688x1520, 50/60 fps@1080 (1920x1080)
- WDR (140 dB), Day/Night (ICR), 3D DNR, AWB, AGC, BLC
- Multiple network monitoring:
Buit-in web server & Multifunction VMS
- 8 mm-32 mm motorized lens
- 1/1 Alarm in/out, 1/1 audio in/out
- Max. IR LEDs Length 120m/394ft
- Micro SD memory, IP67, IK10



4MP WDR IR Dome AI Network Camera

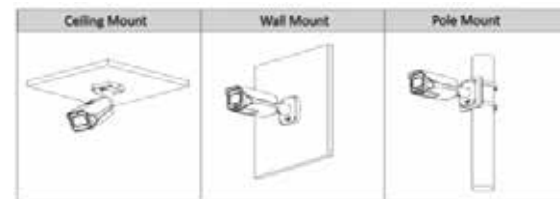


NightPixel Low Light Enhancement



MPIX-40-VDVL-AI

- 1/1.8" 4Megapixel progressive scan CMOS
- H.265 & H.264 triple-stream encoding
- 25/30 fps@2688x1520, 50/60 fps@1080 (1920x1080)
- WDR (140 dB), Day/Night (ICR), 3D DNR, AWB, AGC, BLC
- Multiple network monitoring:
Buit-in web server & Multifunction VMS
- 8 mm-32 mm motorized lens
- 1/1 Alarm in/out, 1/1 audio in/out
- Max. IR LEDs Length 120m/394ft
- Micro SD memory, IP67, IK10



32 Channel 2U AI Network Video Recorder



EN-32-2AI

- 32 Channel IP video access
- Smart H.265+/H.265/Smart H.264+/H.264/MJPEG
- Up to 16 Channel perimeter protection
- Up to 4 Channel video stream face recognition
- Up to 24 face pictures / sec processing
- Up to 20 face databases with 100,000 face images in total

64 Channel 2U AI Network Video Recorder



EN-64-2AI

- 64 Channel IP video access
- Smart H.265+/H.265/Smart H.264+/H.264/MJPEG
- Up to 16 Channel perimeter protection
- Up to 4 Channel video stream face recognition
- Up to 24 face pictures /sec processing
- Up to 20 face databases with 100,000 face images in total

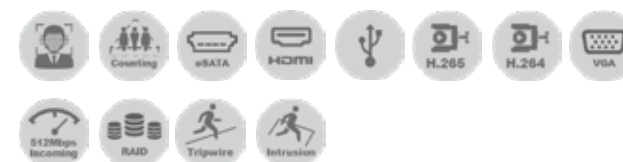
2U 8HDD AI Network Video Recorder



ENX-128-2AI

- Industry embedded micro-controller
- Max 400Mbps incoming bandwidth
- 128-channel IP video access
- Up to 32-channel perimeter protection
- Up to 12-channel face recognition by device
- Up to 40-channel face recognition by camera
- Up to 8-channel Video Metadata
- Up to 50 face databases with 300,000 face pictures in total
- Supports RAID 0/1/5/6/10
- SAS3.0 for storage extension
- 3HDMI/2VGA video output

3U 16HDD AI Network Video Recorder



ENX-256-4AI

- Industry embedded micro-controller
- Max 512Mbps incoming bandwidth
- 256-channel IP video access
- Up to 64-channel perimeter protection
- Up to 24-channel face recognition by device
- Up to 80-channel face recognition by camera
- Up to 16-channel Video Metadata
- Up to 50 face databases with 300,000 face pictures in total
- Supports RAID 0/1/5/6/10
- SAS3.0 for storage extension
- 3HDMI/1VGA video output

Common Features For all AI Recorders above



Professional Series (8MP 4K)

MPIX-8H-VDV-IRM



Optional Brackets:



BRACK-BB-63 BRACK-WM-63

8MP IR Motorized Vandal Proof Dome Camera

- 1/2.5" 8 Megapixel progressive scan CMOS
- H.265 & H.264 triple-stream encoding
- 15fps@4K(3840×2160), 25/30fps@3M(2304×1296)
- Day/Night(ICR), 3DNR, AWB, AGC, BLC, D-WDR
- Smart IR Support
- 2.7mm - 12mm motorized lens
- Max. IR LEDs length 50m/164feet
- IP67, IK10, PoE
- Multiple network monitoring: Built-in web server & Multi function VMS
- Smart phones compatible
- Inbuilt IVA functions



MPIX-8H-BIMR



Optional Brackets:



BRACK-WM-63 BR-POLE-MXC BR-CORN-MXC

8MP IR Motorized Bullet Camera

- 1/2.5" 8 Megapixel progressive scan CMOS
- H.265 & H.264 triple-stream encoding
- 15fps@4K(3840×2160), 25/30fps@3M(2304×1296)
- Day/Night(ICR), 3DNR, AWB, AGC, BLC, D-WDR
- Smart IR Support
- 2.7mm - 12mm motorized lens
- Max. IR LEDs length 50m/164feet
- IP67, IK10, PoE
- Multiple network monitoring: Built-in web server & Multifunction VMS
- Smart phones compatible
- Inbuilt IVA functions



MPIX-8H-BILR



Optional Brackets:



BRACK-WM-63 BR-POLE-MXC BR-CORN-MXC

8MP IR Long Range Motorized Bullet Camera

- 1/2.5" 8 Megapixel progressive scan CMOS
- H.265 & H.264 triple-stream encoding
- 15fps@4K(3840×2160), 25/30fps@3M(2304×1296)
- Day/Night(ICR), 3DNR, AWB, AGC, BLC
- Smart IR Support
- 7mm - 35mm 5X zoom lens
- Max. IR LEDs length 100m/328feet
- IP67, PoE
- HD-VMS & eVMS-PRO (Enterprise Class VMS software)
- Smart phones compatible
- Inbuilt IVA functions



Professional Series (8MP 4K)

MPIX-80IRBFT



Optional Brackets:



BRACK-WM-49 BRACK-BB-43

8 MP WDR IR Turret Network Camera

- 1/2.5" 8 Megapixel progressive scan CMOS
- 15fps@4K(3840×2160), 25/30fps@3M(2304×1296)
- Max. IR Length 50m/164feet
- 2.8mm fixed lens
- WDR(120dB), Day/Night(ICR), 3DNR, AWB, AGC, BLC
- IP67, PoE H.265 & H.264 triple-stream encoding
- Smart Detection supported
- Built-in Microphone (Optional, special order)
- Multiple network monitoring: Built-in web server & Multifunction VMS
- Operating Temperature: -30°C ~ +60°C -22°F ~ +140°F
- Supports iPhone, Android



MPIX-80IRBVT



Optional Brackets:



BRACK-WM-48 BRACK-BB-48

8 MP WDR IR Turret Network Camera

- 1/2.5" 8 Megapixel progressive scan CMOS
- 15fps@4K(3840×2160), 25/30fps@3M(2304×1296)
- Max. IR length 50m/164feet
- 2.7mm - 12mm motorized lens
- WDR, Day/Night(ICR), 3DNR, Auto Iris, AWB, AGC, BLC
- Angle of View: H:110°~40°, V:58°~23°
- H.265 & H.264 triple-stream encoding
- WDR up to 120dB
- Built-in Microphone (Optional, special order)
- Micro SD memory, IP67, PoE
- Multiple network monitoring: Built-in web server & Multifunction VMS
- Operating Temperature: -30°C ~ +60°C -22°F ~ +140°F
- Supports iPhone, Android



Consultation, Design, Implementation

PROJECTS MADE SIMPLE

Project Design & Implementation assistance to our Integrators from WatchNET Professional System Engineers

- Video
- Access Control
- Intercom
- Storage

Professional Series (4MP)

MPIX-40BIMR



Optional Brackets:



BRACK-BB-53 BR-POLE-MXC BR-CORN-MXC

4MP HD WDR IR Bullet Camera

- 1/3" 4 Megapixel progressive scan Aptina CMOS
- H.264 & MJPEG dual codec
- 2.7mm - 12mm motorized lens
- Max. IR length 50m/164feet
- WDR up to 120dB
- Max 20fps@4MP(2688x1520),25/30fps@3MP(2304x1296)
- Angle of View: H: 100°(Wide)~33°(Tele)
- Day/Night(ICR), 3DNR, Auto Iris, AWB, AGC, BLC
- 2/1 Alarm in/out, 1/1 Audio in/out
- IP67, IK10, PoE
- Multiple network monitoring: Built-in web server & Multifunction VMS
- Operating Temperature: -35°C ~ +60°C -31°F ~ +140°F
- Inbuilt IVA functions



MPIX-40SBC



Optional Brackets:



SOH-BC SOH-BC-IR BRACK-BOX Optional

4 MP WDR Box Camera

- 1/3" 4 Megapixel progressive scan CMOS
- H.264 & MJPEG dual-stream encoding
- Max 20fps@4MP(2688x1520) and 25/30fps@3MP(2304x1296)
- WDR(120dB),Day/Night(ICR),3DNR,AWB,AGC,BLC
- 2/1Alarm in/out, 1/1 audio in/out (Built-in Mic)
- Smart Detection supported
- Micro SD memory
- Auto back focus (ABF)
- Built-in web server & Multifunction VMS
- Supports iPhone, Android



MPIX-40BILR



Optional Brackets:



BRACK-BB-53 BR-POLE-MXC BR-CORN-MXC

4MP HD WDR IR Bullet Camera (Long Range)

- 1/3" 4 Megapixel progressive scan Aptina CMOS
- H.264 & MJPEG dual codec
- 7mm - 35mm motorized lens (5x zoom)
- Max. IR length 50m/164feet
- WDR up to 120dB
- Max 20fps@4MP(2688x1520),25/30fps@3MP(2304x1296)
- Angle of View: H: 100°(Wide)~33°(Tele)
- Day/Night(ICR), 3DNR, Auto Iris, AWB, AGC, BLC
- 2/1 Alarm in/out, 1/1 Audio in/out
- IP67, IK10, PoE
- Multiple network monitoring: Built-in web server & Multifunction VMS
- Operating Temperature: -35°C ~ +60°C -31°F ~ +140°F



Professional Series (4MP)

MPIX-40VDV-IRM



Optional Brackets:



BRACK-BB-63 BRACK-WM-63



4 MP IP Vandal Proof Dome Camera

- 1/3" 4 Megapixel progressive scan Aptina CMOS
- Max 20fps@4MP (2688x1520), 25/30fps@3MP (2304x1296)
- Max. IR length 50m/164feet
- 2.7mm - 12mm motorized lens WDR up to 120dB
- Angle of View H: 100°(Wide)~33°(Tele)
- H.264 / H.264H / H.264B / MJPEG
- Smart Detection supported
- 1/1 Alarm in/out, 1/1 audio in/out
- Micro SD memory, IP67, IK10, PoE
- Multiple network monitoring: Built-in web server & Multifunction VMS
- Operating Temperature: -35°C ~ +60°C -31°F ~ +140°F
- Supports iPhone, Android
- Micro SD card, Max 128GB
- Inbuilt IVA functions



MPIX-40IRBFT



Optional Brackets:



BRACK-WM-49 BRACK-BB-43 BRACK-BM-06

4 MP WDR IR Turret Network Camera

- 1/3 4MP progressive scan CMOS
- 2.8mm fixed lens
- Max. IR LEDs Length 50m/164feet
- H.265 & H.264 triple-stream encoding
- 25/30fps@4M(2688x1520)
- Smart detection supported
- WDR(120dB), Day/Night(ICR), 3DNR, AWB, AGC, BLC
- Micro SD memory, IP67, PoE
- Operating Temperature: -30°C ~ +60°C / -22°F ~ +140°F
- Multiple network monitoring: Built-in web server & Multifunction VMS
- Smart phones compatible



MPIX-40VDV-IRMLR



Optional Brackets:



BRACK-BB-63 BRACK-WM-63



4MP Vandal-proof, Motorized IR Dome Network Camera

- Three AXIS Motorized vandal-proof IR dome camera
- 1/3" 4MP progressive scan Aptina CMOS
- 25/30fps@4Mp(2688x1520)
- H.265 & H.264 triple-stream encoding
- WDR(120dB), Day/Night(ICR), 3DNR, AWB, AGC, BLC
- 7mm ~ 35mm 5X zoom lens
- Max. IR length 100m/328feet
- 1/1 Alarm in/out, 1/1 audio in/out
- Micro SD memory, IP67, IK10, PoE
- Multiple network monitoring: Built-in web server & Multifunction VMS
- Smart phones compatible



Professional Series (2MP)

MPIX-21DF-IRK28



Optional Brackets:



BRACK-BB-43



2 MP HD IR Network Camera

- 1/2.8" 2 Megapixel progressive scan CMOS
- 50/60fps@2 Megapixel (1920x1080)
- 0.009Lux/F2.0(Color,1/3s,30IRE)/ 0.07Lux/2.0 (Color,1/30s,30IRE)/0Lux/F2.0(IR on)
- H.264 & H.265 triple-stream encoding
- WDR(120dB), Day/Night(ICR), 3 DNR, AWB, AGC, BLC
- Max. IR LEDs Length 20m/66feet
- IP67, IK10, PoE
- Support DC12V power supply
- iPhone and Android Support
- Lens: 2.8mm fixed lens



MPIX-20-Z30IR



Optional Brackets:



Bracket Included:
BRACK-Z30IR



Motorized Remote Zoom & Focus Lens

2 MP HD IR Motorized 30x Zoom Camera

- 1/3" 2 Megapixel progressive image sensor
- Motorized Lens: 4.3 - 129mm (30x Optical zoom)
- Max. IR length up to 100m/328feet
- Effective Pixels: 1944(H) x 1092(V)
- H.264 & MJPEG dual-stream encoding
- AWB, AES, AGC, BLC, Day/Night Mode, WDR
- 4 Privacy Mask Regions
- More than 50dB S/N Ratio
- Micro SD memory, IP66, PoE
- Multiple network monitoring:
Built-in web server & Multifunction VMS
- Built-in 2/1 alarm in/out



MPIX-21-SPH



2 MP Pinhole Camera

- 1/3" 2Megapixel low illumination CMOS Sensor
- Dual-stream encoding
- Built-in 3.6mm fixed lens
- Powerful WDR (Wide Dynamic Range)
- Enhanced H.264 High Profile Compression
- Built-in OSD menu
- DC 12V/1A
- Remote configuration and maintenance
- Compatible with mainframe platforms
- Support Multicast



Value Line Series (4MP)

MPIX-40B1VF



Optional Brackets:



BRACK-BB-53 BR-POLE-MXC BR-CORN-MXC

4 MP WDR IR Bullet Camera

- 1/3" 4 Megapixel progressive CMOS
- 20fps@4M (2688x1520), 25/30fps@3M (2304x1296) & 25/30fps@2M (1920x1080)
- H.264+ & H.264 dual-stream encoding
- WDR(120dB), Day/Night(ICR), 3DNR, AWB, AGC, BLC
- 2.7-12mm varifocal lens· Max. IR LEDs length 60m/197feet
- Micro SD card slot, up to 128GB, IP67, PoE
- Multiple network monitoring:
Web viewer, eVMS-PRO & HD-VMS
- Smart phones compatible



MPIX-40VDV-IRV



Optional Brackets:



BRACK-WM-48 BRACK-CMT-34 BRACK-BB-48



4 MP WDR IR Network Camera

- 1/3" 4 Megapixel progressive scan CMOS
- 20fps@4M (2688x1520), 25/30fps@3M (2304x1296) & 25/30fps@2M (1920x1080)
- Max. IR LEDs length 50m/164feet 2.7 - 12mm varifocal motorized lens
- WDR(120dB), Day/Night(ICR), 3DNR, AWB, AGC, BLC
- H.264+ & H.264 dual-stream encoding
- Micro SD card slot, up to 128GB, IP67, IK10, PoE
- Multiple network monitoring: Built-in web server & Multifunction VMS
- Three Axis
- Operating Temperature: -35°C ~ +60°C -31°F ~ +140°F
- Supports iPhone, Android

MPIX-20VDV-IRV



Optional Brackets:



BRACK-WM-48 BRACK-CMT-34 BRACK-BB-48

2 MP DWDR IR Network Camera

- 1/2.9" 2Megapixel progressive CMOS
- H.264 & MJPEG dual-stream encoding
- 25/30fps@1080P(1920x1080)
- D-WDR, Day/Night(ICR), 3DNR, AWB, AGC, BLC
- 2.7~12mm varifocal lens
- Max. IR LEDs length 30m/98feet
- Micro SD card slot, up to 128GB, IP67, IK10, PoE
- Multiple network monitoring
- Web viewer, eVMS-PRO & HD-VMS
- Three Axis
- Operating Temperature: -35°C ~ +60°C
-31°F ~ +140°F
- Supports iPhone, Android



MPIX-20BIVF



Optional Brackets:



BRACK-BB-53 BR-POLE-MXC BR-CORN-MXC

2 MP DWDR IR Bullet Camera

- 1/2.9" 2Megapixel progressive CMOS
- H.264 & MJPEG dual-stream encoding
- 25/30fps@1080P(1920x1080)
- D-WDR, Day/Night(ICR), 3DNR, AWB, AGC, BLC
- 2.7~12mm varifocal lens
- Max. IR LEDs length 30m/98feet
- Micro SD card slot, up to 128GB, IP67, IK10, PoE
- Multiple network monitoring
- Web viewer, eVMS-PRO & HD-VMS
- Three Axis
- Operating Temperature: -35°C ~ +60°C
-31°F ~ +140°F
- Supports iPhone, Android



MPIX-21-DVP



MPIX-40-DVP



MPIX-21-BVP



MPIX-40-BVP



2MP Motorized Lens IR Dome IP Camera

- 1/2.8" 2.0 Megapixel CMOS
- 2.8 - 12mm Motorized Lens
- Sensefier Technology
- H.265+ Encoding
- True WDR, Smart IR
- Supports Micro SD/SDHC/SDXC(128GB)
- IR distance up to 30m/98ft
- IP67, IK10, CE & FCC Certifications
- Multiple network monitoring:
- Web viewer, eVMS-PRO & HD-VMS



4MP Motorized Lens IR Dome IP Camera

- 1/3" 4.0 Megapixel CMOS
- 2.8 - 12mm Motorized Lens
- Sensefier Technology
- H.265+ Encoding
- D-WDR, Smart IR
- Supports Micro SD/SDHC/SDXC(128GB)
- IR distance up to 30m/98ft
- IP67, IK10, CE & FCC Certifications
- Multiple network monitoring:
- Web viewer, eVMS-PRO & HD-VMS



2MP Motorized Lens IR Bullet IP Camera

- 1/2.8" 2.0 Megapixel CMOS
- 2.8 - 12mm Motorized Lens
- Sensefier Technology
- H.265 Encoding
- True WDR, Smart IR
- Supports Micro SD/SDHC/SDXC(128GB)
- IR distance up to 50m/164ft
- IP67, CE & FCC Certifications
- Multiple network monitoring:
- Web viewer, eVMS-PRO & HD-VMS



4MP Motorized Lens IR Bullet IP Camera

- 1/3" 4.0 Megapixel CMOS
- 2.8 - 12mm Motorized Lens
- Sensefier Technology
- H.265+ Encoding
- D-WDR, Smart IR
- Supports Micro SD/SDHC/SDXC(128GB)
- IR distance up to 50m/164ft
- IP67, CE & FCC Certifications
- Multiple network monitoring:
- Web viewer, eVMS-PRO & HD-VMS



Megapixel PTZ Cameras

MPIX-4K-30-PTZ



4K

30X
Optical Power
Zoom Lens



Wallmount
Bracket Included

8 MP Ultra HD Network 30x PTZ Dome Camera

- 1/1.7" 8 Megapixel Exmor R CMOS image sensor
- 30X Optical (16X Digital zoom)
- H.265 / H.264 / MJPEG Compression
- Lens: 6mm - 180mm
- Max 240°/s pan speed, 360° endless pan rotation
- Built-in 7/2 alarm inputs/outputs
- IP67, PoE+, Micro SD memory
- IR Distance up to 200m
- Operating Temperature: -40°C ~ +60°C
-40°F ~ +140°F

MPIX-50IRPTZ



30X
Optical Power
Zoom Lens

30X
Optical Power
Zoom Lens



Wallmount
Bracket Included

5MP 30x IR PTZ Network Camera

- 1/1.9" 5.0Mp CMOS image sensor
- Powerful 30x optical zoom
- H.265 Encoding
- Built-in 7/2 alarm inputs/outputs
- Max. 25/30fps@5M/3M, 25/30/50/60fps@1080P
- IVS Function: Line Detector (Tampering), Intrusion,
- Object Abandoned / Missing, Face Detection
- D-WDR, Day/Night(ICR), Ultra DNR, Auto iris, Auto focus
- Support Triple-streams encoding
- IR Distance up to 200m/656ft
- Intelligent 3D fast camera positioning
- Support Multicast Function

MPIX-40IR30X



30X
Optical Power
Zoom Lens



Wallmount
Bracket Included

4 MP Full HD 30x Network Vandal-proof IR PTZ Camera

- 1/3" 4 Megapixel Exmor CMOS HD sensor
- 30X Optical (16X Digital zoom)
- H.265, H.264 & MJPEG Triple-stream encoding
- Lens: 4.5mm ~ 135mm (30x Optical zoom)
- Max 240°/s pan speed, 360° endless pan rotation
- Built-in 2/1 alarm in/out
- IP66, PoE+, Micro SD memory
- IR Distance up to 100m
- Operating Temperature: -35°C ~ +60°C
-31°F ~ +140°F

MPIX-21MP12X



12X
Optical Power
Zoom Lens

2.1 MP Full HD 12x Network PTZ

- 5.1mm - 61.2mm (12x Optical zoom)
- 360° continuous pan rotation
- Built-in 2/1 alarm in/out
- Max 25/30fps@1080p and 50/60fps@720P resolution
- Micro SD memory, IP66, IK10, PoE

Optional Bracket:



BRACK-MPIX-21MP-PEND BR-POLE-MXC BR-CORN-MXC

Speciality Cameras (Made to Order)

MPIX-21SSVDV-IRMS

Anti-Corrosion



SENSEIFIER
24 hr light environment

ONVIF
PROFILE S

PoE



2 MP Full HD Anti-Corrosion IR Camera

- 1/1.9" 2.1 Megapixel progressive scan
- Powerful 4x optical zoom
- H.265 & H.264 triple-stream encoding
- 50/60fps@1080P(1920x1080)
- Max. IR LEDs Length 50m/164ft
- Day/Night(Auto ICR), Ultra DNR, BLC / HLC / WDR(120dB)
- Ultra Low Light Technology
- Micro SD memory, IP67, IK10, POE
- Material: 316L Stainless steel
- 4.1mm - 16.4mm motorized lens

MPIX-21MPSS

Anti-Corrosion



SENSEIFIER
24 hr light environment

ONVIF
PROFILE S

PoE



2 MP Full HD Anti-corrosion PTZ Camera

- 1/2.8" 2.1 Megapixel progressive scan
- Powerful 30x optical zoom
- H.265 & H.264 triple-stream encoding
- Max. 50/60fps@1080P
- Supports PoE+
- Day/Night(Auto ICR), Ultra DNR, BLC / HLC / WDR(120dB)
- Ultra Low Light Technology
- IP68, IK10, NEMA 4X
- Material: 316L Stainless steel
- 4.5mm - 135mm focal lens

MPIX- 4X2-MSX

Multi-sensor



SENSEIFIER
24 hr light environment

PSIA

ONVIF
PROFILE S

RoHS

PoE

CE FC



2 MP Multi-sensor PanoramicNetwork IR Camera (4x2MP)

- Four 1/2.8" 2 Megapixel progressive scan CMOS
- H.265/H.264 triple-stream encoding
- Max 25fps@4096x1800
- Support 180-degree panoramic view
- Day/Night(ICR), 3DNR, AWB, AGC, BLC
- Smart detection
- Intelligent Function
- Max. IR LEDs length 30m(98ft)
- Micro SD memory, IP67, PoE
- Multiple network monitoring: Web viewer, eVMS-PRO & HD-VMS
- Smart phones compatible

MPIX-8X2-MSPTZ

Multi-sensor



SENSEIFIER
24 hr light environment

PSIA

ONVIF
PROFILE S

RoHS

PoE

CE FC



2 MP Multi-sensor PanoramicNetwork IR Camera (8x2MP)

- Panoramic: Eight 1/1.9" 2 Megapixel progressive scan CMOS
- PTZ: One 1/1.9" 2 Megapixel progressive scan CMOS
- H.265/H.264 triple-stream encoding
- 2x25fps@4096x1800+50/60fps@1080P
- Supports 360-degree panoramic view
- Day/Night(ICR), 3DNR, AWB, AGC, BLC
- Smart tracking
- Intelligent Function - Auto-tracking and IVS
- Micro SD memory, IP67, IK10
- Multiple network monitoring: Web viewer, eVMS-PRO & HD-VMS
- *Wallmount Bracket and Power supply included

Automatic Number Plate Recognition System

MPIX-21BILPR



Optional
12MegaPixel 4K Lens



MPIX-LEN-10-42

Optional Wall Mount



BRACK-BLPR-WM

- 1/1.9" 2 Megapixel progressive scan starves CMOS
- 2 Megapixel long range ANPR camera
- The camera supports multiple detection (Inductive Loop / LiDAR sensor)
- White LEDs for long distance coverage (40M)
- Powerful 10.5 - 42mm manual lens to option (Lens not included)
- Wide working temperature, IP66 and superior performance for outdoor applications
- Ultra-low light SENSEFIER and true WDR(120dB) technology



Key Features of ANPR-PRO:

- Automatic Recognition of Vehicle Number Plates.
- Highly accurate ANPR Software (Automatic Number Plate Recognition) with the capability to read Arabic Number Plates & characters. Compatible with all GCC Vehicle Number Plates.
- Captures Latin & Arabic license plates of moving vehicles with maximum speed of 40 KM/hr.
- Fast, Easy and Straightforward deployment.
- Country / Province and Plate Type Recognition.
- Country independent recognition including Latin & Arabic.
- Overview image of vehicles are stored for future verification such as full frame, cropped image of vehicle's face & cropped image of vehicle plate.
- Live monitoring of captured vehicles from any place over local area network.
- Live monitor allows monitoring of multiple lanes in one screen with grids view.
- User friendly reports with different parameters such as date, time, Vehicle Number, Country, Plate Type, Plate Colour with preview of the vehicle plate image.

Affordable LPR Application Solutions for:

- | | |
|----------------------|-------------------------------|
| Airport | Drive thru |
| Hotel | Parking lots |
| Bus station | Office building |
| Shopping mall | Residential parking |
| Campus | Facility entrance/exit |

EVI Recorders



NEW Megapixel video over existing UTP or Coaxial cable

EVI-0440 / EVI-0840 / EVI-1640



P2P

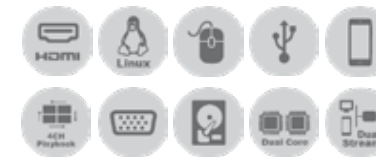
Easy Remote Connection by QR Code



4, 8 & 16 CH 4MP Tribrid DVR (1U)

- 4, 8 & 16 channel Embedded LINUX OS
- Supports 4MP XVI Technology
- Supports additional channels using IP Cameras:
 - 4CH DVR + 2 extra IP channels = Total of 6 channels
 - 8CH DVR + 4 extra IP channels = Total of 12 channels
 - 16CH DVR + 8 extra IP channels = Total of 24 channels
- Supports 2 SATA HDD up to 6TB each
- H.264+/H.264 dual-stream video compression
- 1HDMI output up to 4K (3840x2160) resolution
- Dual-core embedded processor
- Multiple network monitoring: WatchNET VMS, MVS Pro mobile & Web Viewer
- 3D Intelligent positioning with WatchNETPTZ camera

EVI-0421 / EVI-0821/ EVI-1621



P2P

Easy Remote Connection by QR Code



4, 8 & 16 CH Mini Penta-brid DVR (1U)

- Mini 1U Standalone DVR, Embedded LINUX OS
- Supports additional channels using IP Cameras:
 - 4CH DVR + 2 extra IP channels = Total of 6 channels
 - 8CH DVR + 4 extra IP channels = Total of 12 channels
 - 16CH DVR + 8 extra IP channels = Total of 24 channels
- H.264 dual-stream video compression
- Supports 1 SATA HDD up to 6TB each
- HDMI / VGA simultaneous video output
- GRID interface & smart search
- Multiple network monitoring: WatchNETVMS, MVS Pro mobile & Web Viewer
- HD over UTP or Coax cable
- 3D intelligent positioning with WatchNETPTZ camera
- WatchNETExclusive Point-To-Zoom PTZ Feature with XVI PTZ dome camera

EVI-3221E



P2P

Easy Remote Connection by QR Code



32 CH Penta-Brid DVR (1.5U)

- 32 Channel XVI or IP cameras up to 5MP
- 16 channel synchronous real-time playback
- H.264 dual-stream video compression
- Up to 32 cameras @ 1080P
- 4 SATA HDDs up to 24TB, 1 eSATA up to 16TB, 3 USB2.0
- HDMI 1/VGA/TV simultaneous video output
- GRID interface & smart search
- Dual-core embedded processor
- HD over UTP or Coax cable
- 3D intelligent positioning with WatchNET XVI PTZ dome camera
- Multiple network monitoring: WatchNETVMS, MVS Pro mobile & Web Viewer



XVI-21VDV-IRV



2.1 MP 2Axis Motorized Zoom/Focus Camera

- 1/2.8" 2 Megapixel HD CMOS image sensor
- Full HD 1080p
- 1920(H)×1080(V), 1920×1080@25 fps
- IP66 rated housing, IK 10
- DC12V (500mA)
- Max. IR LEDs length 30m/98feet
- High speed, long distance real-time transmission
- Smart IR (Auto sensitivity control)
- OSD Menu, control over coaxial cable
- Day/Night (ICR), AWB, AGC, BLC, 3D-DNR
- MegaPixel Lens: 2.7 - 12mm motorized lens
- Compatible with HD-CVI DVRs

XVI-21VDV-IRMS



2.1 MP 1080p WDR & Ultra Low Light IR Dome

- 1/2.8" 2 Megapixel HD CMOS image sensor
- Full HD 1080p
- 1920(H)×1080(V), 1920×1080@25 fps
- IP66 rated housing, IK 10
- DC12V (500mA)
- Max. IR LEDs length 30m/98feet
- High speed, long distance real-time transmission
- Smart IR (Auto sensitivity control)
- OSD Menu, control over coaxial cable
- Day/Night (ICR), AWB, AGC, BLC, 3D-DNR
- MegaPixel Lens: 2.7 - 12mm motorized lens
- Compatible with HD-CVI DVRs

XVI-21-BIMR



2.1 MP HD IR Bullet Camera

- 1/2.7" 2 Megapixel HD CMOS image sensor
- Water-proof HD CVI IR-Bullet Camera
- 25/30fps@1080P, 25/30/50/60fps@720P
- WDR(120dB), Day/Night(ICR), AWB, AGC, BLC, 3DNR
- 2.7mm ~12mm varifocal motorized lens
- Max. IR LEDs length 60m
- IP67 Rated, Smart IR
- Vandal Resistant enclosure
- HD and standard definition dual-output
- Compatible with HD-CVI DVRs

XVI-40IRBT



4 MP WDR IR Turret Camera

- 1/3" 4 Megapixel HD CMOS image sensor
- 25fps@4MP, 25/30fps@720P, 25/30fps@1080P
- HD and SD dual-output
- Effective pixels 2688(H)×1520(V)
- Ef Max. IR LEDs length 50m/164feet
- AGC, BLC, 2DNR Day/Night(ICR), AWB, WDR(120dB)
- 2.8mm fixed lens
- Built-in web server & Multifunction VMS
- IP67, DC12V
- Compatible with HD-CVI DVRs

XVI-40VDF



4 MP IR Dome Camera

- 1/3" 4 Megapixel HD CMOS image sensor
- Max 30fps@4MP
- HD and SD output switchable
- D-WDR, Day/Night (ICR), DNR 2D, AGC, BLC
- 2.8mm fixed lens
- Max. IR length 30m/98feet
- Smart IR control
- IP67, IK10, DC12V
- OSD Menu, control over coaxial cable
- Built-in web server & Multifunction VMS
- CVI Compatible Camera
- Three Axis

XVI-21IRBVMT / XVI-21IRBVMT-B



2.1MP IR Turret Camera

- 1/2.7" 2.1MP HD CMOS image sensor
- 120dB true WDR, 3DNR
- Max. IR length 60m/197feet
- MegaPixel Lens: 2.7mm - 12mm motorized
- Max 30fps@1080P
- Digital:1920×1080p
- IP67 rated housing
- DC12V±10%
- IR LEDs - 2
- OSD Menu, control over coaxial cable
- Compatible with HD-CVI DVRs



XVI-21IRBT



Optional Brackets:



2.1 MP Ultra IR Turret Camera

- 1/2.7" 2.1 Megapixel HD CMOS image sensor
- Max. IR LEDs length 50m/164feet, Smart IR
- 25/30fps@1080p
- Effective pixels 1930(H) x 1088(V)
- High speed, long distance real-time transmission
- Built-in Microphone (Special Order)
- Day/Night(ICR), AWB, AGC, BLC, 2DNR
- 3.6mm fixed lens
- IP67, DC12V
- Co Megapixelatible with HD-CVI DVRs

XVI-21-SBC



2.1 MP Ultra IR Turret Camera

- 1/2.8" 2.1 Megapixel CMOS
- Max 30fps@1080P
- OSD Menu
- Supports 4 signals to be transmitted over 1 coaxial cable simultaneously
- Dual-way data transmission
- C/CS lens
- High speed, long distance real-time transmission
- True WDR (120dB), Day/Night (ICR), 3DNR,
- AC 24V±25% / DC 12V±25%
- Co Megapixelatible with HD-CVI DVRs
- * Lens not included

XVI-13-SPH



1.3 MP WDR Pinhole Camera

- 1/3" 1.3 Megapixel CMOS Sensor
- HD 720p
- 25/30fps@720P
- Effective pixels - 1280(H) x 720(V)
- High speed, long distance real-time transmission
- HD and standard definition switchable AWB, AGC,
- OSD Menu, control over coaxial cable
- WDR(120dB), Day/Night (ICR), BLC, 3D-DNR
- 3.6mm fixed lens
- Power Supply: DC12V

POESW08



UNIQUE CCTV Mode
250m / 820ft
Extended Range PoE



POERACK
Rack Mount for POESW8
Holds up to two POESW8 per mount

8+2 Port Unmanaged PoE/PoE+ Switch

- 8 PoE 10/100 Downlink Ports
- 2 Gigabit Uplink RJ45 Ethernet Ports
- Special 250m/820ft CCTV Mode
- No Frame Loss IP Data Transmission
- 6KV Lightning Protection
- PoE Max. Power Output - 120W
- Power consumption - <5W
- Voltage input - DC 48V ~ 57V
- 200mm x 101.8mm x 27mm / 7.87" x 4" x 1.06"
- 500g / 1.10lb

POESW16



UNIQUE CCTV Mode
250m / 820ft
Extended Range PoE



16+2 Port Unmanaged PoE/PoE+ Switch

- 16 PoE 10/100 Downlink Ports
- 2 Gigabit Uplink RJ45 Ethernet Ports
- 1 Gigabit Fiber Port (SFP)
- Special 250m/820ft CCTV Mode
- No Frame Loss IP Data Transmission
- 6KV Lightning Protection
- PoE Max. Power Output - 270W
- Single Port PoE Power Output ≤30W, Voltage 54VDC
- 442mm x 285mm x 44.5mm / 17.4" x 11.22" x 1.75"

POESW24



24+2 Port Managed PoE/PoE+ Switch

- 24 PoE 10/100/1000 Downlink Ports
- 2 Gigabit Uplink RJ45 Ethernet Ports
- 2 Gigabit Fiber Port (SFP)
- L2 Management
- Support 100 Meter Standard
- No Frame Loss IP Data TransmissionTransmission
- 6KV Lightning Protection
- PoE Max. Power Output - 370W
- Voltage Input - AC 100V ~ 240V
- 442mm x 315mm x 44.5mm / 17.4" x 12.4" x 1.75"
- 4.35kg / 9.59lb

SW08



8 Port Non PoE Gigabit Switch

- 8 Port Gigabit Ethernet Switch
- Plug and Play
- Transmission Distance 0 to 100 Meter
- IEEE802.3, IEEE802.3u, IEEE802.3ab, IEEE802.3x standards
- Voltage Input - DC 5V
- Power Consumption - <2W
- 150mm x 85mm x 27mm / 5.9" x 3.35" x 1.06"
- 0.490kg / 1.08lb

Custom Mounting Solution



WTC-A10K



WTC-A10K-W (White)



WTC-A10K-B (Black)

Mounting Attachments

WatchNET mounting systems offer a range of products that simplify mounting your cameras, wireless communication devices, projectors or any other device that would attach to a ceiling or support truss. Fits standard 1/4" EMT conduit. Available from 1 to 10 ft lengths.

- Versatile (White, Black & Metal)
- Compatible mounts
- Quick installation

Available in various and custom conduit lengths. Contact us for more info.

Base attachments:



WTC-CM01 Ceiling Plate



A01M WTC-FCT Box Camera



WTC-PMA Pendant Mount



WTC-LTA Large Threaded



WTC-STA Small Threaded

WAC-2D2T-ENC / PCB



TCP / IP

Controller/Aux Power Included with battery charger

Access Controller – 2 Door 2 Reader

- Supports RS232/RS485/TCP/IP
- Cards holder capacity: 30,000/100,000 (online mode)
- Transactions storage: up to 270,000
- Supports output activation using PIN from Keypad Readers
- 4 Built-in Inputs & 4 Built-in Outputs
- Up to 365 holidays
- 15 Time Zones for each door
- 24 sets of Flow Control
- Local and Global Anti-Pass back
- Programmable Door Status
- 32 KB ROM / 512B SRAM
- Multiple types of Events
- Data can be kept for 180 days without power
- PoE
- Inbuilt battery monitoring function
- Supports RS 485 Readers

WAC-4D4T-ENC/WAC-4D8T-ENC / PCB



TCP / IP

Controller/Aux Power Included with battery charger

Access Controller – 4 Door / 4 & 8 Reader

- Cards holder capacity: 30,000/100,000 (online mode)
- Transactions storage: up to 270,000
- Supports output activation using PIN from Keypad Readers
- Up to 365 holidays
- 24 sets of Flow Control
- Local and Global Anti-Pass back
- Programmable Door Status
- 32 KB ROM / 512B SRAM
- Multiple types of Events
- 127 controllers for each RS485
- **Model WAC-4D4T-ENC:PCB**
2 Built-in Inputs & 6 Built-in Outputs
- **Model WAC-4D8T-ENC:PCB**
4 Built-in Inputs & 8 Built-in Outputs
- PoE
- Inbuilt battery monitoring function
- Supports RS 485 Readers

WAC-8D8T-ENC / PCB



TCP / IP

Controller/Aux Power Included with battery charger

Access Controller – 8 Door 8 Reader

- Cards holder capacity: 30,000/100,000 (online mode)
- Transactions storage: up to 270,000
- Supports output activation using PIN from Keypad Readers
- Up to 365 holidays
- 24 sets of Flow Control
- Local and Global Anti-Pass back
- Programmable Door Status
- 32 KB ROM / 512B SRAM
- Multiple types of Events
- 6 Built-in Outputs
- 127 controllers for each RS485
- Up to 1,200 m for each RS485
- PoE
- Inbuilt battery monitoring function
- Supports RS 485 Readers

WAE-016-ENC / PCB



TCP / IP

Elevator Access Controller

- 8 bit ARM processor, 2 Watchdogs
- 32KB ROM Process Memory
- 1024KB SRAM Data Memory
- 30,500 Cardholders, 10,000 Transactions
- Up to 128 floors
- 4 Extension Inputs, 2 Wiegand Reader
- Fire Alarm input will have all Floors Opened
- Option: TCP/IP interface (10/100 Base.T)
- RS232/RS485 interface
- Maximum Distance: 1200 meters (4000ft) using RS.485
- 127 controllers max. For 1 RS485 bus
- Support online computer polling
- Communication speed: 9600 1,1,n
- 15 Time groups for each door
- Operating Current: 200mA, Standby Current: 150mA
- Working Temperature: 400C~700C
- Data Memory: 512KB (protected)

WAI-016-ENC



TCP / IP

Digital Input / Output Controller

- 8 Outputs Relays (NC/NO)
- 32Bits ARM (TI)
- Comm. Speed: 19200/9600/4800
- Data transfer: Online computer polling
- Transmission Range: More than 1200 m.
- Working Temperature: -400C~700C
- 1 Lithium battery (10 years)
- 16 Inputs (NO)
- Built in TCP/IP, RS232/RS485 interface
- 127 Controllers maximum
- 15 Time groups for each Relay
- 12VDC or 110/220AC with PSU
- Data Memory: 512KB (protected)
- Fully Programmable by WatchNETAccess Software

WAC-1D2T MICRO



TCP / IP

Time Attendance Terminal Standalone Controller

- 32 bit processor with 4M bit data memory
- Built-in EM Proximity, Reader (Optional)
- Blue backlight, Touch Pad
- Cards holder capacity: 30,000 events
- Transactions storage: up to 15,000
- Work Mode: Card / PIN, Card + PIN, PIN only
- OLED dual color display to indicate Clock, Company, Name, Card No
- Communication: TCP/IP
- Compatible with all Wiegand reader format from 24 to 72 Bits
- Events Flow Control
- Supports 500 Visitors
- Including UDP Protocol
- CE, FCC, RoHS approval

WAR-EHO-MPX



Multi proximity reader

- Multi technology / Multi format reader
- Modulation: ASK at 125 kHz
- Maximum read range: 100mm (6.00 in.)
- Output: W26/34 Options
- Operating Voltage: 7-12VDC
- Operating Current: 100mA
- Standby Current: 50mA
- Working Temperature: -300C to 650C / -220F to 1500F
- Operating Humidity: 0 to 95%
- Buzzer Control Input: Dry Contact, Normally Open
- LED Control Input: Dry Contact, Normally Open
- Dimensions: 86mm L x 43mm W x 25mm D 3.38" L x 1.69" W x 0.98" D
- Weight: 0.290kgs / 0.63lbs

WAR-E10-VKR



Vandal proof reader with keypad

- Range in cm - 10cm
- Output - 26/34 bit
- Indicators - Blue/Green
- Size in mm - 120 x 76 x 21
- Frequency - 125 KHz
- Voltage - 7- 12V DC
- Operating Current - <100mA
- Standby Current - <50mA
- Working Temperature: -300C to 650C / -220F to 1500F
- Operating Humidity - 0 to 95%
- LED Control Input - Dry Contact, N/O
- Buzzer Control Input - Dry Contact, N/O
- Weight - 500 g (1.10lb)

WAR-HAM-LRW / WAR-HAM-SRW



Long Range Wireless Receiver

- Frequency: 433 MHz
- Installation: Indoor & Outdoor (IP65)
- Cabling: 24 AWG min, multi-conductor stranded with an overall foil shield
- Interface: Wieg and (26 bit standard and custom formats)
- Voltage: 12 VDC
- Transmission: Rolling code + encryption
- Operating Temp.: -40° C to +65° C / -40° F to 149° F

Model WAR-HAM-LRW

- Weight: 12 oz. (340g)
- Current Draw: 120 mA typical @ 12VDC
- Read Range: Up to 200 feet (61 m), Installer adjustable

Model WAR-HAM-SRW

- Weight: 8 oz. (227g)
- Current Draw: 80 mA typical @ 12VDC
- Read Range: Up to 100 feet (30.5 m), Non-adjustable



WAC-HIT-WT2
WAC-HIT-WT4
433 MHz

WAR-HAK-6HA



Card reader

- Range - Up to 8 inches (203 mm)
- Keypad Output: Wiegand
- Voltage: +5 - 16 VDC
- Audio Tone: Beeper included standard
- LED: Four-state (red, green, amber & off)
- Voltage - +5 - 16 VDC
- Operating Current - <100mA
- Standby Current - <50mA
- Working Temperature: -40°C to 65°C / -40°F to 149°F
- Frequency: 125 kHz
- Current Draw: 70 mA typical, 110 mA peak @ 12VDC
- IP Code: IP67
- Weight - 4 oz. (113 g)

WAR-EMI-LRR



Long range card reader

- Range in cm - 20cm
- Output - 26/34 bit
- Indicators - Blue/Green
- Size in mm - 260 x 260 x 35
- Frequency - 125 KHz
- Voltage - 7- 12V DC
- Operating Current - <100mA
- Standby Current - <50mA
- Working Temperature: -35°C to 65°C / -22°F to 150°F
- Operating Humidity - 0 to 95%
- LED Control Input - Dry Contact, N/O
- Buzzer Control Input - Dry Contact, N/O
- Weight - 1200g (2.64 lb)

WAR-UHF-LR / WAR-UHF-SR



Mid & Long Range UHF Reader

- RF output power up to 30dbm (adjustable)
- Standard ISM 865-868MHz, 902-928MHz
- Compliant with CE, FCC/ Multi-Tag Reading
- Support RS232, RS485, Wiegand interface
- Operation Temp.: -35°C ~ +50°C
- Storage Temp.: -10°C ~ +40°C
- Input Power: 100-240V, DC+9V (Power Adapter-included)
- Support auto-running, interactive and trigger-activating work mode

Model WAR-UHF-LR

- ISO18000-6B, EPC Class 1 Gen 2 (ISO18000-6C)
- Built-in 12dBi linearized polarized antenna
- 1W Power consumption
- 0 - 15m Read range / 0 - 6m White range
- Dimension: 445 x 445 x 65mm

Model WAR-UHF-SR

- ISO18000-6B, ISO18000-6C(EPC C1G2)
- Built-in 8dBi linearized polarized antenna
- 650mA Power consumption
- 0 - 5m Read range / 0 - 2m White range
- Dimension: 26 x 26 x 4.5mm



WAC-UHF-ISO
UHF Access Card



WAC-UHF-HLD
Windshield Card Holder



WAC-UHF-TAG
UHF Sticker for vehicles/articles

WAB-P-FCRS / WAB-U-FCRS



High Security Biometric Finger Print Reader

- P: Wiegand output format following the card
- U: Standard WG26/34 bits output which can be compatible with any kind of Access Controller
- Dustproof, waterproof features, suitable for any installation site
- Fast response, anti-interference, low power consumption and good stability
- WDT watchdog, having a power-on self-test function
- Fast fingerprint matching speed, 480 fingerprints within one second
- Multithreaded code designed to take advantage of multi-core CPU
- 500dpi optical fingerprint sensor, anti scratch
- The world's leading fingerprint algorithm, refusing false fingerprints
- POE (Power Over Ethernet)
- Blue / Green light to show Valid or Invalid
- Production under ISO: 9001 standard system, high quality
- Wiegand output, TCP / IP
- 16MB Flash memory +4 MB RAM
- CPU - ARM, 32 Bits, Cortex-M4, 400MHz DSP

WAB-P-FCKS / WAB-U-FCKS



Biometric Access with Card Reader & Keypad

- Sleek Industrial design with an elegant white LCD
- New generation fully sealed, waterproof and dust-proof fingerprint sensor
- BioNano core fingerprint algorithm that can take care of damaged fingerprints
- Current version of algorithm that makes it a solid platform for T & A and Access Control
- High performance and reliability
- Easy user enrollment on the unit via Enroll Card or through the BioPAZZ management software installed on a computer
- Identification method: fingerprint, card, fingerprint + card
- EM RFID, Mifare card module. Compatible with industrial standard
- Fingerprint Storage Capacity: 2000
- Standard record capacity 50000
- Communication to server via TCP/IP, RS485 and Mini USB port
- Standard Wiegand 26 bit output to connect with most access control systems

WAA-WTM-485



Wireless Transmitter / Receiver

- Wireless point to point / Multipoint transmitter / receiver
- Up to 1000M range under normal conditions
- Selectable 4 channels for distortion free communication
- Interfaces for RS485/232
- Active driver with optical isolation
- 3 LED status indicators
- External interface for easy connection
- Easy configuration through RS232 port (No drivers needed)
- Baud rate: +/-115,200Bps, Buffer space: 5KB
- Built-in Microprocessor controlled circuit for high stability
- Shielded metal enclosure
- Suitable for indoor / outdoor parking / access control
- Auto enrolling transmitter / receiver no set-up required
- Compatible with WatchNET Access Controllers

WAF-EMC-500



Face Recognition System

- This can be mounted using Adhesive tape or with mounting screws
- Utilizing the latest multiple light sources face recognition algorithm and DSP processor providing higher face analysis speed and accuracy
- Capable of withstanding covered/shaded outdoor conditions
- Super light adaptation and high face identification accuracy regardless of sex, expressions, beard or haircut
- Auxiliary LEDs to provide best identify accuracy in both day and night
- High stability with low energy consumption
- TFT touchscreen display, friendly GUI interface and voice prompts
- Multiple identification modes: Face mode, Card mode, Card + Facemode
- Automatic sync time and capture face

WAB-P-USB / WAB-U-USB



USB Fingerprint Reader

- USB fingerprint reader exclusively for fingerprint and card enrollment through the software from a centralized location
- This device utilizes an optical fingerprint scanner which is scratch proof, unbreakable and durable
- This enrollment reader utilizes blue area source (a stable light in spectrum) as background light
- The generated image fully matches the real one making it accurate and interference free

ACC SERVER



ACC-134-Server
ACC-152-Server

Desktop Server (Preloaded software)

- Windows 7 Professional 64bit Operating System
- Intel © Core™ i3 / i5 / i7 Processor (Model specific)
- 4 Gigabyte 1600Mhz Memory
- 1TB SATA HDD
- HD Integrated Graphics
- VGA Port, DVD RW Drive, Ethernet Port, USB Ports
- Compact ATX Case
- Logitech USB Keyboard & Mouse

WAA-REX-MEN



Request to exit Switch

WAA-REX-PSQ



Request to exit Switch

WAA-BGU-GRN



Break Glass Unit



WAA-TCP-485
TCP-IP to RS485 Converter



WAA-USB-485
USB to RS485 Converter



WAA-EDS-FSS
Stainless Steel U Bracket



WAA-EDS-FSA

WAA-EM300-LED



WAA-EM600-LED



WAA-EM600-LED-Double



WAA-EM1200-LED-Double



WAA-DRC-FLL



Door Contact Flush Mount

WAC-EMC-CSH



Clamshell Cards

WAA-L WA-PTL



Transfer Loop

WAC-EMT-SL



Keyfobs

WAA-POW-04UL



With built-in back up battery charger



- 4 Channel Power supply with ULC
- Input: 100 - 240V AC @50-60Hz
- Output voltage: 12VDC, +/- 15%
- Output current: 5Amp
- Over current protection: 6A+/- 5%
- Output channel: 4 channel
- Charge voltage: 13.5V
- Charge current (max): 1Amp
- Ripple & Noise: $\leq 100\%$
- Indoor use only

*UL certification is pending

E358365
4WZ0
I.T.E POWER SUPPLY

WAA-POW-09UL



With built-in back up battery charger



- 9 Channel Power supply with ULC
- Input: 100 - 240V AC @50-60Hz
- Output voltage: 12VDC, +/- 15%
- Output current: 10Amp
- Over current protection: 6A+/- 5%
- Output channel: 9 channel
- Charge voltage: 13.5V
- Charge current (max): 1Amp
- Ripple & Noise: $\leq 80\%$
- Indoor use only

*UL certification is pending

E358365
4WZ0
I.T.E POWER SUPPLY



WatchNETAccess software is a powerful, network based enterprise level security management software that accommodates widely-dispersed applications with an unlimited number of users, controls thousands of doors and allows you to simultaneously access the system. The enhanced user experience makes navigation and operation easy and intuitive. WatchNETAccess Software platform that offers the ultimate balance between power and affordability in a network environment. It offers the flexibility to securely connect controllers directly on the network, as well as over RS-485.

WatchNETAccess software is a fully integrated solution for Access Control, Intrusion Detection, CCTV, Time & Attendance and Building Management. This powerful software manages multiple tasks using Windows 7 and Win 8 Professional Versions and supports databases such as MSSQL and MS Access. The software's multi database capabilities allow the customer the flexibility to choose either MS Access database or MS SQL database. Multiple users (softwareoperators) with different levels of access can simultaneously access the system. The system starts with only a single user called "Administrator", and "Administrator" can create different users with different access levels enabling them with access to only to data as allowed by their access rights or privileges.

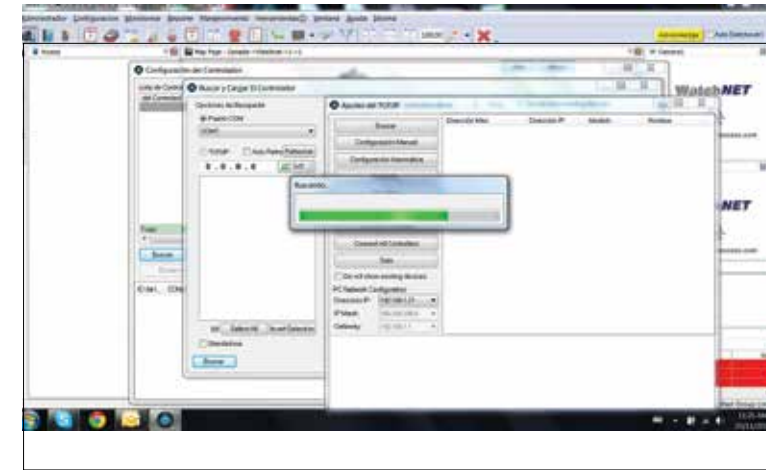
The same software supports stand alone, small two-four doors installations, medium size installations and enterprise global systems. Just add more doors as you grow. Our licensing process is simple. There is a one-time cost based on hardware and functionalities needed. When you grow, simply add features to your license via eMail while adding, not replacing, existing equipment.

Advantage of powerful WatchNET Access Software

1 Server Client Architecture	20 Badge printing module
2 Web Server Application for multi-location projects	21 Mobile App
3 Powerful software manages multiple tasks using Windows 7 and Win 8 Professional Versions	22 Interactive Guard Tour
4 Supports databases such as MSSQL and MS Access	23 Integrated and Independent Elevator Control Integrated
5 Windows Active Directory integration	24 Independent I/O Monitoring Web and Mobile Interface
6 Easy Icon based navigation	25 SDK / API shall be provided for 3rd party integration
7 Time Attendance System module	26 eMap with configurable camera positions
8 Visitor Management module	27 Event notification email, SMS and Alarm center
9 Choice of colors & sounds for every event	28 Live View Verification
10 Auto Detection of Controllers on the network	29 Dual-card verification (Identity specific)
11 Auto/Manual Backup of the Database Exporting Events	30 Local and Global anti-passback
12 Searching / Add / Delete quickly	31 Local and Global event alerts
13 Interactive dynamic maps	32 Parking control IN/OUT Management
14 NVR / IP Camera Video Integration	33 IN/ OUT person counting with name display (Displays who is in the building and who is out)
15 Event Email Notification	34 VLAN and small packet transmission
16 Pop up screens on specific events	35 Controllers available in 2,4,8 door configurations
17 Highly secure encryption algorithm	36 Editable Weigand format for custom configurations
18 Fully integrated Fingerprint registration process	37 Video and Alarm integration
19 Client Meeting Management module	38 Live view POPUP for DVR up to 32 ch

Enterprise Class Access Management Software

WatchNET ACCESS INTEGRATED SECURITY SYSTEMS SOFTWARE

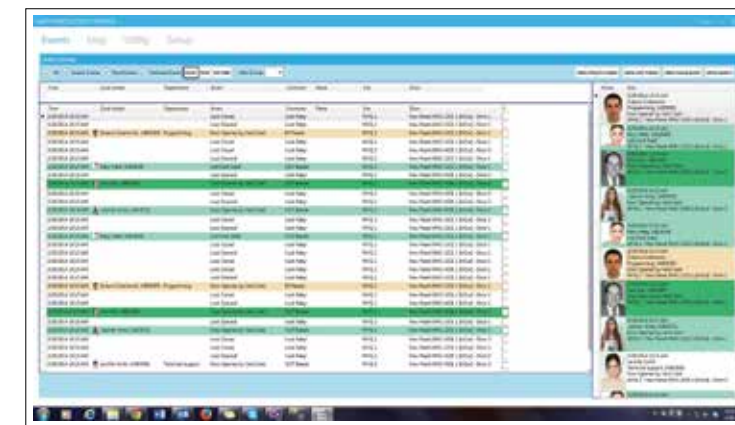


WatchNET Access software is a fully integrated solution for Access Control, Intrusion Detection, Time & Attendance, Guard Tour, as well as Building Management and can be seamlessly integrated with networked CCTV systems through WatchNET DVRs, NVRs, IP Cameras, and supported ONVIF cameras. Featuring frustration-free setup WatchNETAccess control offers easy to install, simple to configure, user-friendly systems that are both flexible and expandable to meet every installation requirement; allowing integrators to feel comfortable and confident with WatchNET Access for projects of any size.

The system setup is easy with WatchNET software. Once all the hardware is wired and plugged into the network, the software scans the network for all installed controllers and lists them using the Search function.

Interactive Maps provide you with an as built view of the installed system with components located in the appropriate locations on the map, right on your screen. The programmer can design a map using a picture of the facility or a floor plan of the facility as the background. The components of the system that need to be displayed can be located in the appropriate locations on the map.

Cameras in the system can also be located on the maps. The live image from the cameras can be seen on the video monitor on the screen by clicking on the appropriate cameras. The system also automatically brings up the appropriate cameras if they are tagged to doors upon events. Snapshots or Video clips can be recorded on specific events. These events are saved on the server and can be recalled at any time through the event viewer or reports from the system.



The pop up function ensures that, in the event of an alarm, the appropriate map and device pops up. The alarm can then be responded to using the acknowledge button and can be recorded. The system also provides real time status display and control of all the devices on the map. The Video Verification event popup system enables the operator to monitor entry of personnel, in real time, with live camera video along with a photograph and the access control credentials.

Software Features:

- Software in multiple languages
- Choice of colors & sounds for every event
- Auto or Manual Backup of the Database
- Searching / Add / Delete quickly
- DVR / IP Camera Video Integration
- Pop up screens on specific events
- Easy Icon based navigation
- Auto Detection of Controllers on the network
- Exporting Events
- Interactive dynamic maps
- Event Email Notification



Mobile Phone & Web Server Control

KBD-803D

3 Dimensional PTZ Controller



- 3D Joystick for Simple Manual Operation
- RS485 Bus Line connects to 32 domes at once
- Large LCD Screen
- Compatible with multiple PTZ Protocol
- Controls the Iris, Focus and Zoom as well as 128 presets, tourscan and patterns
- Supports PELCO matrix
- Supports 4 keyboards linkage, each keyboard can support 32 domes at most

KBD-950NET

Network PTZ Controller



- One keyboard can control multiple PTZ/DVRs
- Supports full PTZ menu operation
- Supports RS485 port and RS232 port
- 3D joystick control
- E Series DVR control
- Lock keyboard to prevent unauthorized use
- Supports multiple-level operation rights
- Sleek and stylish design

POW-PTZ-AC-DOME

PTZ -AC Power Supply



- Input - 120VAC 60Hz
- High quality Die cast aluminum
- Output - 24V

HC6101-VS

VS Video Server



- High performance DSP hardware compression
- H.264 video compression
- Dual streams
- Support variable bit rate and frame rate
- Embedded Linux OS

POW-12V-1A

12V DC 1 AMP Single Transformer



- Plug-in AC to DC power adapter provides 12VDC power up to 1.0A with center positive 2.1mm barrel connector
- Input 110-240VAC. cUL safety approved

IP-DEC-04 / IP-DEC-08

Spot Monitor Decoder



- This decoder can be used for remote view monitors for WatchNET NVRs.
- 4 & 8 channel IP camera input/output
 - Max 56Mbps incoming bandwidth
 - H.264/MJPEG dual codec decoding
 - Support Multi-brand ONVIF network
 - ONVIF Version 2.3 conformance
 - Multiple display interface with memory 1, 4 and 8 channel

POW-12V-3A

12V DC 3 AMP Single Transformer



- Plug-in AC to DC power adapter provides 12VDC power up to 3.0A with center positive 2.1mm barrel connector
- Input 110-240VAC. cUL safety approved

WNTPS - 2

Time Synchronize Server



- Ready-to-operate Secure Stratum 1 NTP Time Server
- Support for NTP and SNTP compatible clients
- Incorporates a GPS Computer Clock, tracks up to 12 satellites
- RJ-45 Ethernet interfaces 10/100 M Bit
- Includes GPS active antenna 10m (30ft)
- Includes power adapter

BALUN-4MP

1 Channel Passive HD CVI Balun



- Supports 4MP transmission of XVI/CVI over UTP
- Real-time transmission over UTP CAT5E/6 cable
- Passive, no need for power supply
- With female BNC connector and pluggable screw terminal connections

MIC-DVR-A

Microphone



- Microphone designed with adjustable sensitivity
- Ideal for CCTV Audio
- Range up to 150 square meters
- Wall mountable

BALUN-17

UTP Video Transceiver



- 1 CH Passive video transceiver
- Full-motion CCTV video at distance up to 2000ft (600m)
- Male BNC allows connection directly to the camera or DVR
- Sold in pairs

XVI, CVI, TVI, AHD Compatible

WT-GLI

Ground loop isolator



- Built-in Video BALUN
- Perfect to work with DVR to reduce interferences from ground loops

PRECISION WATER LEAK DETECTION SYSTEM

SYSTEM OVERVIEW

Water Leak Detection System protects your Data Center & Server Room equipment from damaging water leaks from malfunctioning of general plumbing failure or HVAC systems or other accidents in your facilities.

The water leak detection system is used for detecting the water leakage with unique dual source wheel seized algorithm, can precisely locate position. It's been connected with water leakage sensor cable and shall send the audible and visual alarm. At the same time, it can control one channel digital signal, and plays its role of linkage.

CM-WLDCP has a RS-485 communication port that is been connected with the sensors and workstation. The user can view the water leak area through the software which shows the exact location of the water leak on the CAD map and remote monitoring as well as email alarm via the network.

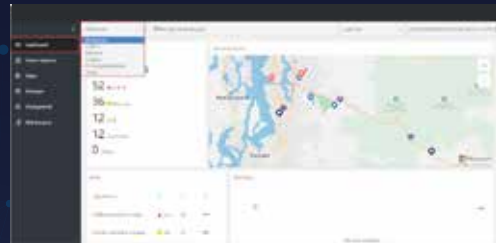


APPLICATION

The leakage detection system has been widely used in Data Centers, Server Rooms, Strong Room in banks, Telecommunication facilities, water pipelines, Air Conditioning equipment, Intelligent Buildings, Libraries, Clean Factories and other sensitive places that needs leakage detection.



IoT Gateway



Professional Training Programs





RETAIL

WatchNET retail video loss prevention systems not only capture clear video of events on real time but also integrate to most cash register and weigh scales to overlay the text on the video for accurate analyses of events.

WatchNET sales analytic functions such as Conversion Rates, Heat Maps, People Counting, Queue Length, Dwell Times, POS integration for sales transactional reports, can significantly help retailers to plan sales strategy, boost productivity and maximize profit.



COMMERCIAL / INDUSTRIAL / HEALTHCARE

CCTV plays a big role in the commercial, industrial and healthcare applications. It is not only used to prevent theft but also keep an eye on the production line, employee behavior and following safety protocols. With analytical feature like missing object, foreign object, video loss, license plate recognition or people counting, it maintains a high degree of security.

WatchNET also offers access control solution for staff, parking and facilities management.



RESIDENTIAL

When it comes to residential security for personal and property protection, WatchNET offers a complete line of CCTV and access control solutions to accommodate applications from single family homes to high-rise condominium towers with over 300 suites.

With WatchNET's access control, you can manage traffic flow in and out of the property, including elevators and parking garages.



EDUCATION

Video surveillance is not only a major deterrent in educational institutions, but is mandatory in many municipalities. It offers increased security for property, students and staff alike.

Coupling WatchNET's CCTV system with our access control system can further increase security within the premises by controlling and monitoring the faculty's access and schedules.



BANKING

Covert video cameras installed in ATM machines have proven to help in reducing fraud and vandalism.

WatchNET systems have the ability to integrate to ATM machines for text overlay of all banking transactions and record them along with video. This helps in providing a recorded log of all events that occur at the ATM.



LAW ENFORCEMENT

WatchNET has unique special application products that are used in many Police stations around the world. Solutions for Interview room audio and video recording applications to covert cameras to mobile video systems for vehicles. WatchNET unique auto play and video exporting technique allows the backed up evidence to be played on any PC with Watermark and authentication. This provides video to be verified as tamperproof to be admissible in court.



CASINO / GAMING

The gaming industry is one of the finest examples of a large-scale security integration system in the world where nothing including sleight of hand can go undetected. It can involve over 2,000 cameras with a Video Management System for centralized monitoring and full system control. This often entails integrating the alarm system and access control system into the same monitoring system. WatchNET offers a complete turnkey solution for this application.



AIRPORT

There is perhaps no other facility that demands the ultimate in security than airports. This involves HD quality network cameras to high security access control systems utilizing proximity and biometric readers. WatchNET offers a complete line of cameras that offer preset capability to zoom in on any alarm trigger and promptly alert the operator.



TRANSPORTATION



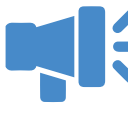

Public transportation such as bus depots, train stations, airports and public parking garages can all benefit from video surveillance for property and personal protection.

Introducing... WatchNET Access Partner Program



Elevate your company's Industrial and Commercial Reach through the WatchNET Access Partner Program (WAPP)

- 
Training
 Free Certified Training Program (CTP), providing training for both Sales and Technical divisions including Design and Installation to Programming and Implementation in our state of the art training facilities.
- 
Sales Support
 Direct access to our International Sales teams to assist in department. Onsite Access Control Demo's, Design and Configuration. As well as prioritized support for all Bid and Submission requests Including writing Specifications.
- 
Dealer Portal
 ALL WAPP System integrators will have a dedicated portal with Login credentials to access the latest information on products, updates, pricing and Specific training videos.
- 
Technical Support
 Prioritized Technical Support and Onsite Support for early installations.

- 
Partner Pricing
 To ensure your sales are secured WAPP systems Integrators receive protected pricing.
- 
Lead Generation
 WatchNET Access Partner Program System integrators will have access to direct leads obtained through our website as well as A&E project based leads.
- 
Marketing
 WAPP System integrators will have direct access to valuable marketing materials including Banners, Trade Show Displays and Partner Specific Private Label Brochures designed by our own In-House marketing.
- 
Mission
 The WAPP program is structured and designed to help build your access control business form the ground up. As a trusted manufacturer of security and Access Control for 15 years, WatchNET, will take on the responsibility of ensuring all your Access Control needs are met and that you will be successful!



BECAUSE IT'S NOT JUST VIDEO. IT'S INSIGHT.

Surveillance solutions from edge to core

Focusing on performance, endurance and capacity Western Digital offers a broad portfolio of thoughtfully calibrated solutions to capture, preserve and transform data into valuable insights. Having embedded devices, cards, HDDs and platforms for surveillance systems all under one brand provides consistency of products, support and service all in one place to better meet the demanding requirements of the surveillance customer.

Learn more at www.westerndigital.com/solutions/surveillance



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