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 been 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 singe 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 |
Integrated Security Management Solution & Automation

Single source from a Global Brand. 🍁
Prestigious Installations Around The World
No Project Is Out Of Reach With A WatchNET Integrated Solution
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

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 ports and 4 X Ultra high speed 10000Mbps Ethernet ports
• Support 3.5 inch 2.5inch 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)

IPV5-24R / IPV5-24DR / IPV5-48R

• Modular
• pull-out, cableless design
• Support 6TB HDDs
• Hot swappable HDD trays
• Supports online replacement, online expansion
• All modular hardware design
• IPV5-24R (Single controller 24 bay) / IPV5-24DR (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
• IPV5-48R (Single controller 48 bay)

Scalable architecture with multiple options for video storage expansion

- 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 an 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.
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

ENX-128HD

- Intel® Core™ i5 Processor
- Up to 64ch@1080P, 128ch@720P realtime recording
- 96TB storage + optional MSAS/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

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

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
- Smart Phone and Web Access
- ONVIF cameras integration with limited partners
- Supported by WatchNETVMS

Performance:
- Supports 1000 channels or 250 input devices
- Supports up to 100 ONVIF Devices
- Supports distribute and cascade deployment
- 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 server
- 8000 online users & max 500 roles
- Transfer capability of 350M

www.watchnetinc.com

www.watchnetinc.com
Enterprise Class VMS Software

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 standout from the crowd since we provide the most cost-effective enterprise class VMP solution on the market.

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

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).

Client Server
Redundant
Scalable
Modular
Video Analytics
Video Wall
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

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.

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 (SDK/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 distill 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
Network Video Recorders (Linux Embedded)

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 camera on all models
- Max 80Mbps incoming Bandwidth
- 1 SATA 32 Port, Up to 8 TB capacity for each HDD
- Up to 8MP Resolution for Preview and Playback
- H.265/H.264 codec decoding
- Supports iPhone, Android
- 3D intelligent positioning with WatchNET PTZ camera

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 32 Port, Up to 8 TB capacity for each HDD
- Up to 8MP Resolution for Preview and Playback
- H.265/H.264 codec decoding
- Supports iPhone, Android
- 3D intelligent positioning with WatchNET PTZ camera

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

Easy Remote Connection by QR Code

Full integration with WatchNET MPix line of cameras

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
- RAID 6 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

WatchNET I (Industrial) 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
- RAID 6 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

WatchNET VMS, MVS Pro mobile & Web Viewer

Multiple network monitoring:

Easy Remote Connection by QR Code

Full integration with WatchNET MPix line of cameras

WatchNET MPix line of cameras

NDVR-IS-478 / 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

Easy Remote Connection by QR Code

Full integration with WatchNET MPix line of cameras

Network Video Recorders (Windows based)

Enterprise Recorder Servers (Windows based)

ENMR2-04POE
- 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 camera on all models
- Max 80Mbps incoming Bandwidth
- 1 SATA 32 Port, Up to 8 TB capacity for each HDD
- Up to 8MP Resolution for Preview and Playback
- H.265/H.264 codec decoding
- Supports iPhone, Android
- 3D intelligent positioning with WatchNET PTZ camera

Easy Remote Connection by QR Code

Full integration with WatchNET MPix line of cameras

ENMR2-08POE
- 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 32 Port, Up to 8 TB capacity for each HDD
- Up to 8MP Resolution for Preview and Playback
- H.265/H.264 codec decoding
- Supports iPhone, Android
- 3D intelligent positioning with WatchNET PTZ camera

Easy Remote Connection by QR Code

Full integration with WatchNET MPix line of cameras

EN-16POE (16 Port PoE Built-In) / EN-32
- 16CH 2U & 32CH Embedded NVR (1SU)
- High performance Dual-core embedded microprocessor
- 16 channel synchronous real-time playback, GRID interface
- HDMI/VA TV simultaneous video output
- SMP (3560x1920) / SMP (2048x1536) / 1080P (1920x1080) / 720P (1280x720) / D1 (704x576/768x480)
- 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
- Dual 12 Core Intel Xeon processors
- RAID 5 Drive configuration (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

Easy Remote Connection by QR Code

Full integration with WatchNET MPix line of cameras

Model EN-16POE
- 16 channel IP Camera Inputs
- Alarm Inputs & Relay Outputs - 8x3
Model EN-32
- 16 channel IP Camera Inputs
- Alarm Inputs & Relay Outputs - 8x3
- Dual Gigabit LAN port for fast communication

Easy Remote Connection by QR Code

Full integration with WatchNET MPix line of cameras

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

Easy Remote Connection by QR Code

Full integration with WatchNET MPix line of cameras

Model EN-32
Introducing NEW Commercial Penta-brid 5 in 1 NDVR

* All product names, logos and brands are property of their respective owners. All company products and service names used on this brochure are for identification purposes only. Use of their names, logos and brands does not imply endorsement. © All Rights Reserved

All product specifications are subject to change without notice.

### 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
- Support for dual-stream video compression
- 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

### 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

### 8 & 16 CH Penta-brid DVR (1.5U)
- **Max IP camera resolution 6MP**
- **Supports up to 2-MP XVI/HDCVI/TVI/AHD**
- **Embedded processor**
- H.264/H.265 dual-stream encoding
- 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 - X1 Audio In, X1 Audio Out, BNC
- Interface - 2 SD-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 channel
- Multi-screen display - 1/4/8/16/25/36

Fully Integrated with WatchNET Mpix & XVI line of cameras

### Optional Brackets:
- BRACK-WMT
- BRACK-AX-60-260
- WTC-PMA
- WTC-A10K

### 12 MP 3600 Panoramic IR View Fisheye Network Camera
- **MPix-12-360-FIR**
  - 1/1.7" 12MP progressive scan CMOS
  - Max 25fps@6/12MP(4000x3000)
  - Angle of View: H. 180°, V.180°
  - H.265 / H.264
  - Multiple dewarped mode
  - Smart detection supported, Intelligent Function
  - 198mm fixed lens
  - Max. IR LEDs length 10m (33ft)
  - 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(40dB), 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

### Ceiling Mount
- Junction Mount
- Wall Mount

www.watchnetinc.com

© All Rights Reserved

All product specifications are subject to change without notice.

360° PANORAMIC HD CAMERAS
4MP WDR IR Bullet AI Network Camera

MPX-40-BILR-AI
- 1/1.8" 4Megapixel progressive scan CMOS
- H.265 & H.264 triple-stream encoding
- 25/30 fps@2688×1520, 50/60 fps@1920×1080
- WDR (140 dB), Day/Night (ICR), 3D DNR, AWB, AGC, BLC
- Multiple network monitoring:
  - Built-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

NightPixel Low Light Enhancement

4MP WDR IR Dome AI Network Camera

MPX-40-VDVL-AI
- 1/1.8" 4Megapixel progressive scan CMOS
- H.265 & H.264 triple-stream encoding
- 25/30 fps@2688×1520, 50/60 fps@1920×1080
- WDR (140 dB), Day/Night (ICR), 3D DNR, AWB, AGC, BLC
- Multiple network monitoring:
  - Built-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

NightPixel Low Light Enhancement

Artificial Intelligence (Cameras)

32 Channel 2U AI Network Video Recorder

EN-32-2AI
- 32 Channel IP video access
- Smart H.265+/H.265/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/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

Artificial Intelligence (Recorders)

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/2VGA video output

Common Features For all AI Recorders above

www.watchnetinc.com
MPIX-80IRBVT
8 MP WDR IR Turret Network Camera
- 1/2.5" 8 Megapixel progressive scan CMOS
- H.265 & H.264 triple-stream encoding
- 15fps at 4K (3840 x 2160), 25/30fps at 3M (2304 x 1296)
- Day/Night(ICR), 3DNR, AWB, ACC, BLC, D-WDR
- Smart IR Support
- 2.7mm - 12mm motorized lens
- Max IR LEDs length 50m/164feet
- IP67, IK07, PoE
- Multiple network monitoring: Built-in web server & Multi-function VMS
- Smart phones compatible
- Inbuilt IVA functions

Optional Brackets:
- Optional Brackets: BRACK-08-63
- Optional Brackets: BRACK-WM-63

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

Optional Brackets:
- Optional Brackets: BRACK-WM-49
- Optional Brackets: BRACK-08-48

8MP IR Motorized Vandal Proof Dome Camera
- 1/2.5" 8 Megapixel progressive scan CMOS
- H.265 & H.264 triple-stream encoding
- 15fps at 4K (3840 x 2160), 25/30fps at 3M (2304 x 1296)
- Day/Night(ICR), 3DNR, AWB, ACC, BLC, D-WDR
- Smart IR Support
- 2mm - 12mm motorized lens
- Max IR LEDs length 50m/164feet
- IP67, IK07, PoE
- Multiple network monitoring: Built-in web server & Multi-function VMS
- Smart phones compatible
- Inbuilt IVA functions

Optional Brackets:
- Optional Brackets: BRACK-08-63
- Optional Brackets: BRACK-WM-63

8MP IR Long Range Motorized Bullet Camera
- 1/2.5" 8 Megapixel progressive scan CMOS
- H.265 & H.264 triple-stream encoding
- 15fps at 4K (3840 x 2160), 25/30fps at 3M (2304 x 1296)
- Day/Night(ICR), 3DNR, AWB, ACC, 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

Optional Brackets:
- Optional Brackets: BRACK-WM-49
- Optional Brackets: BRACK-08-48

Consultation, Design, Implementation
Professional Series (4MP)

MPIX-40BIMR

**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(2688×1520),25/30fps@3MP(2304×1296)
- 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

Optional Brackets:
- BRACK-88-53
- BR-POLE-MXC
- BR-CORN-MXC

Optional Brackets:
- IN

MPIX-40SBC

**4 MP WDR Box Camera**
- 1/3” 4 Megapixel progressive scan CMOS
- H.264 & MJPEG dual-stream encoding
- Max. 20fps@4MP(2688×1520) and 25/30fps@3MP(2304×1296)
- WDR(120dB), Day/Night(ICR), 3DNR, AWB, AGC, BLC
- 2/1 Alarm 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

Optional Brackets:
- SOH-BG
- SOH-3C-IR
- BRACK-BOX Optional

Optional Brackets:
- IN

MPIX-40BILR

**4MP HD WDR IR Bullet Camera (Long Range)**
- 1/3” 4 Megapixel progressive scan Aptina CMOS
- H.264 & MPEG dual codec
- 7mm - 35mm motorized lens (5x zoom)
- Max. IR LEDs Length 50m/164feet
- WDR up to 120dB
- Max. 20fps@4MP(2688×1520), 25/30fps@3MP(2304×1296)
- 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 & Multi-function VMS
- Operating Temperature: -35°C ~ +60°C, -31°F ~ +140°F
- Inbuilt IVA functions

Optional Brackets:
- BRACK-88-53
- BR-POLE-MXC
- BR-CORN-MXC

Optional Brackets:
- IN

MPIX-40VDV-IRM

**4 MP Vandal-proof, Motorized IR Dome Network Camera**
- Three AXIS Motorized vandal-proof IR dome camera
- 1/3” 4-Megapixel progressive scan Aptina CMOS
- 25/30fps@4MP(2688×1520)
- H.265 & H.264 triple-stream encoding
- Max. 20fps@4MP(2688×1520), 25/30fps@3MP(2304×1296)
- Angle of View: H: 100°(Wide)~33°(Tele)
- Day/Night(ICR), 3DNR, Auto iris, AWB, AGC, BLC
- Built-in web server & Multi-function VMS
- Smart phones compatible

Optional Brackets:
- BRACK-88-63
- BRACK-WM-63

Optional Brackets:
- IN

MPIX-40VDV-IRMLR

**4MP Vandal-proof, Motorized IR Dome Network Camera**
- Three AXIS Motorized vandal-proof IR dome camera
- 1/3” 4-Megapixel progressive scan Aptina CMOS
- 25/30fps@4MP(2688×1520)
- H.265 & H.264 triple-stream encoding
- WDR(120dB), Day/Night(ICR), 3DNR, AWB, AGC, BLC
- 7mm ~ 35mm zoom lens
- Max. IR length 100m/328feet
- 2/1 Alarm in/out, 1/1 audio in/out
- Micro SD memory, IP67, IK10, PoE
- Multiple network monitoring: Built-in web server & Multi-function VMS
- Supports iPhone, Android

Optional Brackets:
- BRACK-88-63
- BRACK-WM-63

Optional Brackets:
- IN

www.watchnetinc.com www.watchnetinc.com
**Professional Series (2MP)**

- **2 MP HD IR Network Camera**
  - 1/2.8" 2 Megapixel progressive scan CMOS
  - 50/60fps@2 Megapixel (1920 × 1080)
  - 0.009 Lux/F2.0 (Color, 1/3s, 30IRE)/ 0.07 Lux/F2.0 (IR on)
  - H.264 & H.265 triple-stream encoding
  - WDR(120dB), Day/Night(ICR), 3DNR, AWB, ACC, BLC
  - Max. IR LEDs Length 20m/66feet
  - IP67, IK10, PoE
  - Support DC12V power supply
  - iPhone and Android Support
  - Lens: 2.8mm fixed 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) × 1092(V)
  - H.264 & MJPEG dual-stream encoding
  - AWB, AES, ACC, 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

- **2 MP Pinhole Camera**
  - 1/3" 2 Megapixel 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)**

- **4 MP WDR IR Bullet Camera**
  - 1/3" 4 Megapixel progressive scan CMOS
  - 20fps@4M (2688 × 1520), 25/30fps@3M (2304 × 1296) & 25/30fps@2M (1920 × 1080)
  - H.264 & H.264 dual-stream encoding
  - WDR(120dB), Day/Night(ICR), 3DNR, AWB, ACC, 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

- **4 MP WDR IR Network Camera**
  - 1/3" 4 Megapixel progressive scan CMOS
  - 20fps@4M (2688 × 1520), 25/30fps@3M (2304 × 1296) & 25/30fps@2M (1920 × 1080)
  - Max. IR LEDs length 50m/164feet
  - 2.7 - 12mm varifocal motorized lens
  - WDR(120dB), Day/Night(ICR), 3DNR, AWB, ACC, 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

Optional Brackets:
- BRACK-BB-43
- IN
- BRACK-BB-53 BR-PCE-MXC BR-CORN-MXC

Optional Brackets:
- BRACK-Z12R BRACK-WM-48 BRACK-WM-48
- 3 AXIS
Value Line Series (2MP)

MPIX-20BIVF
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, ACG, BLC
- 2.7-12mm varifocal lens
- Max. IR LEDs length 30m/39feet
- 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

Optional Brackets:
BRACK-BB-53 BR-POLE-MXC BR-CORN-MXC

MPIX-20VDV-IRV
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, ACG, BLC
- 2.7-12mm varifocal lens
- Max. IR LEDs length 30m/39feet
- 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

Optional Brackets:
BRACK-WM-48 BRACK-CMT-34 BRACK-BB-48

Performance Series

MPIX-21-DVP
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

MPIX-40-DVP
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

MPIX-21-BVP
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

MPIX-40-BVP
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
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

5MP 30x IR PTZ Network Camera
- 1/1.9" 5.0Mp CMOS HD sensor
- Powerful 30x optical zoom
- H.265 Encoding
- Built-in 7/2 alarm inputs/outputs
- Max. 25/30fps@35/5M, 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

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

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, IK08, PoE

2 MP Full HD Anti-corrosion IR Camera
- 1/2.8" 2 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 and WDR(120dB)
- Ultra Low Light Technology
- IP68, IK10, NEMA 4X
- Material: 316L Stainless steel
- 4.5mm - 135mm focal lens

2 MP Multi-sensor PanoramicNetwork IR Camera (4x2MP)
- Panoramic: Four 1/2.8" 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
- Smart phones compatible

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
- Smart phones compatible

2.1 MP Full HD Anti-corrosion PTZ Camera
- 1/2.8" 2 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 & WDR(120dB)
- Ultra Low Light Technology
- IP68, IK10, NEMA 4X
- Material: 316L Stainless steel
- 4.5mm - 135mm focal lens

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
NEW Megapixel video over existing UTP or Coaxial cable

4, 8 & 16 CH 4MP Tribrid DVR (TU)
- 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
- HDMI output up to 4K (3840x2160) resolution
- Dual-core embedded processor
- Multiple network monitoring: WatchNET VMS, MVS Pro mobile & Web Viewer
- HD over UTP or Coax cable
- 3D intelligent positioning with WatchNETPTZ camera

4, 8 & 16 CH Mini Penta-brid DVR (TU)
- 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: WatchNET VMS, 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

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 (8: 1080P
- 4 SATA HDDs up to 24TB, 1 eSATA up to 16TB, 3 USB2.0
- HDMI /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: WatchNET VMS, MVS Pro mobile & Web Viewer

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

NEW Megapixel video over existing UTP or Coaxial cable

4, 8 & 16 CH 4MP Tribrid DVR (TU)
- 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
- HDMI output up to 4K (3840x2160) resolution
- Dual-core embedded processor
- Multiple network monitoring: WatchNET VMS, 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

4, 8 & 16 CH Mini Penta-brid DVR (TU)
- 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: WatchNET VMS, 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

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 (8: 1080P
- 4 SATA HDDs up to 24TB, 1 eSATA up to 16TB, 3 USB2.0
- HDMI /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: WatchNET VMS, MVS Pro mobile & Web Viewer
2.1 MP 2Axis Motorized Zoom/Focus Camera
- 1/2.8” 2 Megapixel HD CMOS image sensor
- Full HD 1080p
- 1920x1080@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

Optional Brackets:
- Motorized Remote Zoom & Focus Lens
- Motorized Remote Zoom & Focus Lens
- Motorized Remote Zoom & Focus Lens
- Motorized Remote Zoom & Focus Lens

4 MP WDR IR Turret Camera
- 1/3” 4 Megapixel HD CMOS image sensor
- 25fps@4MP, 25/30fps@3/2/20P
- HD and SD dual-output
- 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

Optional Brackets:
- Motorized Remote Zoom & Focus Lens
- Motorized Remote Zoom & Focus Lens
- Motorized Remote Zoom & Focus Lens

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
- 3Axis

Optional Brackets:
- Motorized Remote Zoom & Focus Lens
- Motorized Remote Zoom & Focus Lens
- Motorized Remote Zoom & Focus Lens

2.1MP IR Turret Camera
- 1/2.7” 2.1MP HD CMOS image sensor
- True WDR, 3DNR
- Max. IR length 60m/197feet
- MegaPixel Lens: 2.7 - 12mm motorized lens
- Max 30fps@1080p
- Digital 1920x1080p
- IP67 rated housing
- DC12V/10%
- IR LEDs - 2
- OSD Menu, control over coaxial cable
- Compatible with HD-CVI DVRs

Optional Brackets:
- Motorized Remote Zoom & Focus Lens
- Motorized Remote Zoom & Focus Lens
- Motorized Remote Zoom & Focus Lens
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 pixel (930[H]×1088[V])
- High speed, long distance real-time transmission
- Built-in Microphone (Special Order)
- Day/Night (ICR), AWB, AWC, BLC, 2DNR
- 3.6mm fixed lens
- IP67, DC12V
- Co-Megapixel compatible with HD-CVI DVRs

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-Megapixel compatible with HD-CVI DVRs
* Lens not included

1.3 MP WDR Pinhole Camera
- 1/3" 1.3 Megapixel CMOS Sensor
- HD 720p
- 25/30fps@720P
- Effective pixel (1280[H]×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

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

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"

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 Transmission
- 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

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**

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.

**Mounting Attachments**

- **Base attachments:**
  - WTC-CM01 Ceiling Plate
  - A01M WTC-PCT Box Camera
  - WTC-PMA Pendant Mount
  - WTC-LTA Large Threaded
  - WTC-GTA Small Threaded

**Access Controllers**

- **Access Controller – 2 Door 2 Reader**
  - Supports RS232/RS485/TP/IP
  - 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
  - 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

- **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

- **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
  - 127 controllers for each RS485
  - 6 Built-in Outputs
  - PoE
  - 1200 m for each RS485
  - Inbuilt battery monitoring function
  - Supports RS 485 Readers
**Elevator Access Controller**
- 8 bit ARM processor, 2 Watchdogs
- 32KB ROM Process Memory
- 1024KB SRAM Process 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, RS232/RS485 Interface
- Maximum Distance: 1200 meters using RS 485
- Support online computer polling
- Operating Current: 200mA, Standby Current: 150mA
- Working Temperature: 400C~700C
- Data Memory: 512KB (protected)
- Comm. Speed: 19200/9600/4800
- Data transfer: Online computer polling
- Transmission Range: More than 1200 m.
- Working Temperature: -400C~700C
- Batteries: 1 Lithium battery (10 years)
- 15 Time groups for each door
- Work Mode: Card / PIN, Card + PIN, PIN only
- OLED dual color display to indicate Clock, Company, Name, Card No
- Communication: TCP/IP
- Supports 500 Visitors
- Including UDP Protocol
- CE, FCC, RoHS approval
- Frequency: 433 MHz
- Installation: Indoor & Outdoor (IP65)
- Cabling: 24 AWG min, multi-conductor stranded with an overall foil shield
- Interface: Wiegand, 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

**Digital Input / Output Controller**
- 8 Outputs Relays (NC/NO)
- 32Bits ARM (Til)
- 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
- 10 Time groups for each Relay
- 12VDC or 110/220AC with PSU
- Data Memory: 512KB (protected)
- Fully Programmable by WatchNETAccess Software

**Time Attendance Terminal**
- 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
- Support all Wiegand reader format from 24 to 72 Bits
- Events Flow Control
- Supports 500 Visitors
- Including UDP Protocol
- CE, FCC, RoHS approval

**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: -30OC 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

**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 - -30OC 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)

**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 (61m), 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
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
- 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
-  Wireless point to point / Multipoint transmitter / receiver
- Up to 1000M range under normal conditions
- Selectable 4 channels for distortion free communication
- 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
- ISO18000-6B, EPC Class 1 Gen 2 (ISO18000-6C)
- Built-in 12dBi linearized polarized antenna
- TW Power consumption
- 0 - 15m Read range / 0 - 6m White range
- Dimension: 445 x 445 x 65mm

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
  - TW Power consumption
  - 0 - 15m Read range / 0 - 6m White range
  - Dimension: 445 x 445 x 65mm

Model WAR-UHF-LR

- ISO18000-6B, EPC Class 1 Gen 2 (ISO18000-6C)
- Built-in 8dBi linearized polarized antenna
- 650mA Power consumption
- 0 - 5m Read range / 0 - 2m White range
- Dimension: 26 x 26 x 4.5mm
**Face Recognition System**
- This can be mounted using Adhesive tape or with mounting screws
- Utilizing the latest multiple light source 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

**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

**Desktop Server (Preloaded software)**
- Windows 7 Professional 64Bit Operating System
- Intel® Core™ i3 / i5 / i7 Processor (Model specific)
- 4 Gigabyte 1600Mhz Memory
- TBB SATA HDD
- HD Integrated Graphics
- VGA Port, DVD RW Drive, Ethernet Port, USB Ports
- Compact ATX Case
- Logitech USB Keyboard & Mouse
- 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: +/- 100%
  - Indoor use only
  - UL certification is pending

**Access Control Accessories**
- ACC-134-Server
- ACC-152-Server
- Face Recognition System
  - ACC SERVER
  - USB Fingerprint Reader
  - Desktop Server (Preloaded software)
- WAA-REX-MEN
  - Request to exit Switch
- WAA-REX-PSQ
  - Request to exit Switch
- WAA-BGU-GRN
  - Break Glass Unit
- WAA-POW-04UL
  - 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: +/- 100%
  - Indoor use only
  - UL certification is pending

- WAA-POW-09UL
  - 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: +/- 80%
  - Indoor use only
  - UL certification is pending
WatchNET Access Software

WatchNET Access 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. WatchNET Access software platform 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.

WatchNET Access 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 Windows 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 (software operators) 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**

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

**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 WatchNET Access 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:**

- **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, tuyaion and patterns
- Supports PELCO protocol
- Supports 4 keyboards linkage, each keyboard can support 32 domes at most

**POW-PTZ-AC-DOME**

PTZ - AC Power Supply
- Input - 120VAC 60Hz
- High quality Die cast aluminum
- Output - 24V

**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

**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

**BALUN-17**

UTP Video Transceiver
- 1CH 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
- XVL, CVI, TVI, AHD Compatible

**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

**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

**IP-DEC-04 / IP-DEC-08**

Spot Monitor Decoder
- This decoder can be used for remote site monitors for WatchNET NVRs.
- 4 x 8 channel IP camera input/output
- Max 56Mbps incoming bandwidth
- H.264/MPEG dual video decoding
- Support Multi-Brand ONVIF network
- ONVIF Version 2.3 conformance
- Multiple display interface with memory
- 1, 4 and 8 channel

**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
- RJ45 Ethernet interfaces 10/100 M Bit
- Includes GPS active antenna 10m (30ft)
- Includes power adapter

**MIC-DVR-A**

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

**WT-GLI**

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

---

**P R E C I S I O N  W A T E R  L E A K  D E T E C T I O N  S Y S T E M**

**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.
Professional Training Programs

1) Digital Surveillance System
2) Central Monitoring Station Software
3) Storage & Data Management
4) Access Control System (Enterprise Class)
5) Integrated Security Management System
6) Video Management Solution

WatchNET Team
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.
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.

Bidding & Consulting Support

Free Certificate Training

Project Materials & Support

Dedicated Dealer Support

Project Based Design Support

Lead Generation

Free

Certificate

Training

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 from 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!

Surveillance solutions from edge to core

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

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
Notice to reader:
All product specifications on this catalogue are subject to change without notice.
All logos & trade marks represent the registered users only
Not all products in this catalogue are available in every region.
All rights reserved.

CANADA:
351 Ferrier Street, Unit 5
Markham, Ontario
L3R 5Z2, Canada
Tel: 416-410-6865
Fax: 1-866-331-3341
Toll Free: 1-866-843-6865

USA:
171 Cooper Avenue, Site 110
Tonawanda, NY
14150 USA
Toll Free: 1-855-404-3193
Local: 1-716-877-7277
Fax: 1-866-331-3341

MIDDLE EAST:
P O Box No 126312
Office Suite 703
Oxford Towers Business Bay
Dubai, UAE
Tel: + 971 4 2767117

INDIA:
RZ- 2, Ground Floor
Kapashera
Opp Kapashera Police Station
New Delhi-110037
Tel/Fax: +91 11 25060481

info@watchnetinc.com
www.watchnetinc.com