Integrated CCTV and Access Control Solutions

Product Catalog

www.watchnetinc.com
Message from the President

WatchNET is a leading manufacturer and supplier of quality video and surveillance equipment. Since our founding in 2000, we have been providing highly developed, competitively priced, digital video solutions. With our dedication to quality and attentive customer service, WatchNET has 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 UAE. With ongoing expansion in the US and UAE, WatchNET now has more than 30,000 square feet of stocked and functional office facilities. Coupled with numerous partnerships across the globe, WatchNET has become a truly international solution provider.

New to WatchNET’s product offering is Access Control. 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 in 2019, including NVR and Hybrid Video recording technology combined with smart cameras offering the highest resolution available in Analog and Network video recording.

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. At WatchNET, 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 at WatchNET 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 to say a WatchNET client is much more than a customer, but also a friend!

Alex Thomas
President & CEO

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WatchNET Providing Security Solutions Since 2000
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PRESTIGIOUS INSTALLATIONS AROUND THE WORLD
NO PROJECT IS OUT OF REACH WITH A WATCHNET INTEGRATED SOLUTION

Send us your next CCTV or Access Control Project Specifications and let our team of Project Managers design your next Project.

INDIA

Port Security
School District
Defense
Transportation
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

Customized system design available for projects

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

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
- Supports 3.5 inch, 2.5inch SAS/SATA (1T, 2T, 3T, 4T, 6T)
- Supports mixed different capacity HDDs
- Hot swappable HDD trays
- IPVR-24R (Single controller 24 bay) / IPVR-24DR (Dual controller 24 bay)

Supports standard iSCSI protocol storage and video stream direct storage
- 1536Mbps video storage bandwidth
- Modular, pull-out, cableless design
- Supports SAS multiple cascade
- Supports 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
- Supports 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)

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The WatchNET NVR 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 High end processors and a RAID enclosure in one easy 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 NVR, 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 NVR 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.

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 NVR Recording resilience is enhanced further, with features:
- Redundant Power supplies and fans
- Dual controller
- Hot Standby
- Multiple RAID configurations
- MSAS and iSCSI interface

Scalable architecture with multiple options for video storage expansion

info@watchnetinc.com WatchNET Providing Security Solutions Since 2000
WatchNET Enterprise class NVR (Network Video Recorder) and video management systems are industry-leading, enterprise class, digital video surveillance solutions. These NVRs are built on best-in-class components that provide the flexibility and scalability needed to design a 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.

### COMMON FEATURES
- Linux Embedded Enterprise Class NVR
- Simultaneous record, playback, live view, archive, or transmission of digital video
- 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)
- 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
- Supported by WatchNET VMS

### ENX-256HDR2
- **NEW PRODUCT**
- Call for availability!
- 4U 24 HDD NVR
- Intel quad-core processor
- Max 512Mbps incoming bandwidth
- 256 Channel IP video access
- Supports RAID 0/1/5/10
- SAS3.0 for storage extension
- Optional 4 Giga Optical Fiber Interface
- 3 HDMI / 1 VGA video output
- H.265 / H.264 / MJPEG / MPEG4
- Easy Local GUI & WEB GUI with mouse control
- ONVIF cameras integration
- 24 SAS/SATA HDDs, Up to 10 TB capacity for each HDD, Independent HDD bracket, hot-swap

### ENX-256HD2
- Intel Quad-core Processor
- Max 450Mbps incoming bandwidth
- SAS3.0 for storage extension
- Support 24 hot-swap HDDs / RAID 0/1/5/6/10
- 3 HDMI/1VGA video output
- AI Analytics support  
  (Face detection & Recognition with use of AI camera)

### ENX-128HD
- Intel Quad-core Processor
- Max 384Mbps Incoming Bandwidth
- Support 24 hot-swap HDDs / RAID 0/1/5/6/10
- 3 HDMI/1VGA video output
- AI Analytics support
- 24 SAS/SATA HDDs, Up to 10 TB capacity for each HDD
- Supports multiple analytic functions

### ENX-644K - 2U Rack mountable NVR
- Dual Core high performance processor
- 32ch@1080P, 64ch@720P real-time recording
- 4 USB Ports (2 USB 2.0, 2 USB 3.0)
- Support 8 built-in HDDs / RAID 0/1/5/10
- High bandwidth up to 384Mbps bitrate
- 4K compatible up to 12MP
- Alarm Inputs & Relay Outputs - 16x8
- Expandable storage up to 48TB using WN-ESS08A

### ENX-SAS24 / WN-ESS08A - Expansion Storage Units

### Model ENX-SAS24
- 4U (24x8TB), 144TB e-SATA storage
- Compatible with ENX-128HD & ENX-256HD

### Model WN-ESS08A
- 2U standard 19-inch rack case
- eSATA port transmission speed up to 3Gbps
- Max support Internal 8 SATA HDD up to 48TB
A Professional Video Management System integrating all WatchNET products including IP, Analog and XVi for Cameras, NVRs and Servers

WatchNET VMS provides the industry’s best solution with rich and professional functions:

- Supports interoperability for all WatchNET IP / Analog camera, NVR, XVi and Video Storage
- Supports unlimited IP camera connections by multiple VMS Clients
- Supports SQL Database to centralize security management information
- Versatile live monitoring modes supporting eMap multi-monitor, unlimited floating windows for multiple user views, Event Popup and Auto-Switching
- Support up to 256 Virtual Matrix & Video Notifications with decentralizing network bandwidth and centralizing security management
- Supports Mobility work style with user group and user account with switching users to share space with security
- Digital PTZ, Digital Zoom and Magnifier
- Auto pop-up and thumb-nail for snapshot and backup
- System event popup for network disconnection, disk failure, system down
- Integrates Fish-Eye and Video Analytics cameras
- Supports Video Duplicating with the similar effect of Multi-cast networking
16 Channel 1U AI PoE NVR
- 16 Channel IP video access
- 16 Built-in PoE Ports
- Smart H.265+/H.264+/H.264/MJPEG
- Up to 4 Channel fenced Area Protection
- Up to 2 Channel video stream face recognition
  8 channel picture stream face recognition
  (with AI Face Detection Camera)
- 2 SATA III Ports, Up to 8 TB capacity for each HDD
- Up to 12 face pictures/sec processing
- Up to 10 face databases with 20,000 face images in total
- WatchNET VMS, MVS Pro mobile & Web Viewer
AI Features:
- Face Detection
- Face Recognition
- Line Crossing
- Fenced Area Protection
- Plus more when using AI Cameras dependant on model

64 Channel 2U AI NVR
- 64 Channel IP video access
- Smart H.265+/H.264+/H.264/MJPEG
- Up to 16 Channel perimeter protection
- Up to 4 Channel video stream face recognition
  16 Channel picture stream Face Recognition when using Face Detection Camera
- Up to 24 face pictures/sec processing
- 8 SATA III Ports, Up to 8 TB capacity for each HDD
- Up to 20 face databases with 100,000 face images in total
AI Features:
- Face Detection
- Face Recognition
- Line Crossing
- Fenced Area Protection
- Plus more when using AI Cameras dependant on model

32 Channel 1.5U AI NVR
- 32 Channel IP video access
- Smart H.265+/H.264+/H.264/MJPEG
- Up to 4 Channel fenced area protection
- Up to 2 Channel video stream face recognition
  8 channel picture stream face recognition
  (with face detection camera)
- 4 SATA III Ports, Up to 8 TB capacity for each HDD
- Up to 12 face pictures/sec processing
- Up to 10 face databases with 20,000 face images in total
AI Features:
- Face Detection
- Face Recognition
- Line Crossing
- Fenced Area Protection
- Plus more when using AI Cameras dependant on model
Standalone NVRs/MPIX IP MegaPixel Fast Pack Kits

**ENMR2-04POE / ENMR2-08POE**

- **4/8 Channel 1U PoE NVR 4K HDMI Output**
  - Quad-core embedded processor
  - Max 80Mbps Incoming Bandwidth
  - 1 SATA III Port, Up to 10 TB capacity for each HDD
  - Up to 8MP Resolution for Preview and Playback
  - H.264/H.265 codec decoding
  - 3D intelligent positioning with WatchNET PTZ camera

**Model ENMR2-04POE:**
- 4 Ports PoE built-in
- Supports total of 4 IP cameras

**Model ENMR2-08POE:**
- 8 Ports PoE built-in
- Supports total of 8 IP cameras

**ENMR2-16POE**

- **16 Channel 1U PoE NVR 4K HDMI Output**
  - Quad-core embedded processor
  - 16 Ports PoE built-in
  - Supports total of 16 IP Cameras
  - Limited integration with ONVIF cameras on all models
  - Max 80Mbps incoming bandwidth
  - 2 SATA III Port, Up to 10 TB capacity for each HDD
  - Up to 8MP Resolution for preview and playback
  - H.264/H.265 codec decoding
  - 3D intelligent positioning with WatchNET PTZ camera

**Model ENMR2-04POE:**
- 4 Ports PoE built-in
- Supports total of 4 IP cameras

**Model ENMR2-08POE:**
- 8 Ports PoE built-in
- Supports total of 8 IP cameras

**ENMR2S-32**

- **32 Channel 1.5U NVR**
  - Quad-core embedded processor
  - Supports 4K ultra HD resolution (3840 x 2160) for recording, live viewing and playback
  - Up to 8MP Resolution for Preview and Playback
  - Dual Network Ports
  - Max 200Mbps Incoming Bandwidth
  - H.265 / H.264 codec decoding
  - HDMI / VGA simultaneous video output
  - 4 SATA III Port, Up to 10 TB capacity for each HDD
  - Supports iPhone, Android
  - 3D intelligent positioning with WatchNET PTZ camera

**MPIX PoE IP MegaPixel Fast Pack Kits**

<table>
<thead>
<tr>
<th>4CH NVR Fast Pack</th>
<th>4CH + 4 Cameras</th>
<th>4CH MPIX Kit 4.0 MegaPixel IP Cameras 4 CH ENMR2 NVR w/ 1TB HDD 4 Ports PoE Built In</th>
<th>ENM-04KIT4-40IRBFT (MPIX-40IRBFTL) 2.8mm Lens</th>
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<td>8CH + 6 Cameras</td>
<td>8CH MPIX Kit 4.0 MegaPixel IP Cameras 8 CH ENMR2 NVR w/ 2TB HDD 8 Ports PoE Built In</td>
<td>ENM-08KIT6-40IRBFT (MPIX-40IRBFTL) 2.8mm Lens</td>
<td>x6</td>
</tr>
<tr>
<td>16CH NVR Fast Pack</td>
<td>16CH + 8 Cameras</td>
<td>16CH MPIX Kit 4.0 MegaPixel IP Cameras 16 CH ENMR2 NVR w/ 2TB HDD 16 Ports PoE Built In</td>
<td>ENM-16KIT8-40IRBFT (MPIX-40IRBFTL) 2.8mm Lens</td>
<td>x8</td>
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</table>

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AI MegaPixel IP Cameras

MPIX-40VDV-IRMAI

4MP Ultra WDR IR Dome AI Network Camera
- 1/1.8" 4Megapixel progressive scan CMOS
- H.265 & H.264 triple-stream encoding
- 25/30 fps@2688x1520, 50/60 fps@1080 (1920x1080)
- Ultra WDR (140dB), Day/Night (ICR), 3D DNR, AWB, AGC, BLC
- 2.7mm - 12.0mm motorized lens
- 1/1 Alarm in/out, 1/1 audio in/out
- Max. IR LEDs Length 40m/131ft
- Micro SD memory, IP67, IK10, PoE+
- Multiple network monitoring:
  - Built-in web server & Multifunction VMS
  - Smart phones compatible
- Supports 12VDC/24VAC if not using PoE+
- Operating Conditions: -30°C ~ +60°C
  - -22°F ~ +140°F
- Power Consumption:
  - DC12V: 4.9W 12.4W (IR on)
  - AC24V: 5.1W 11.9W (IR on)
  - PoE: 5.2W 11.6W (IR on)
- Supports iPhone, Android
- PRO AI Functions:
  - Face Capture (Detect & Recognition with attributes)
  - Fenced Area protection
  - People Counting Functions
  - Line Crossing (Person & Vehicle Classification)

Optional Bracket:
BRACK-WM-63
BRACK-BB-63

Call for availability!

MPIX-40BIMRAI

4MP Ultra WDR IR Dome AI Network Camera
- 1/1.8" 4Megapixel progressive scan CMOS
- H.265 & H.264 triple-stream encoding
- 25/30 fps@2688x1520, 50/60 fps@1080 (1920x1080)
- Ultra WDR (140dB), Day/Night (ICR), 3D DNR, AWB, AGC, BLC
- 2.7mm-12.0mm motorized lens
- 2/1 Alarm in/out, 1/1 audio in/out
- Smart IR
- Max. IR LEDs Length 50m/164ft
- Micro SD card 256 GB, IP67, IK10, PoE+
- Supports Electronic Image Stabilization (EIS)
- Multiple network monitoring:
  - Built-in web server & Multifunction VMS
- Smart phones compatible
- DC 12V (±30%), PoE+ (802.3at) (Class 4)
- Operating Conditions: -30°C ~ +60°C
  - -22°F ~ +140°F
- Power Consumption: <10.9W
- Supports iPhone, Android
- PRO AI Functions:
  - Face Capture (Detect & Recognition with attributes)
  - Fenced Area protection
  - People Counting Functions
  - Line Crossing (Person & Vehicle Classification)
### 12MP 360° 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
- 1.83mm fixed lens
- Max. IR LEDs length 15m (49ft)
- Ultra Low Light Enhancement
- 1/1 channel In/Out, Built-in Mic (Optional, Special Order)
- IP67, 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

**Optional Brackets:**
- BRACK-WM-Tilt
- BRACK-MX-60-360

### 6MP 360° Panoramic IR View Fisheye Network Camera

**MPIX-60-360-FIR**

- 6MP Resolution
- Low bitrate
- Excellent low light performance
- 3D DNR, D-WDR, ICR, HLC
- Lens - 1.83mm
- Max. IR LEDs length 15m (49ft)
- ONVIF system compatibility
- Max. Resolution - 3072x2048@15fps
- Micro SD card, Max 128GB
- 7 split display mode
- Panoramic view mode
- Built-in dewarping
- Dual stream
- Smart IR
- Electronic PTZ
- Audio recording
- IP66 weather proof

**Optional Brackets:**
- BRACK-WM-Tilt
- BRACK-MX-60-360
**MegaPixel IP Cameras**

**MPIX-80IRBFT**

*8MP WDR IR Turret Network Camera*
- 1/2.5” 8MP progressive scan CMOS
- 2.8mm fixed lens
- Max. IR Length 50m/164ft
- 15fps@4K(3840×2160), 25/30fps@3M(2304×1296)
- WDR(120dB), Day/Night(ICR), 3DNR, AWB, AGC, BLC
- IP67, PoE
- Ultra Low Light Enhancement
- H.265 & H.264 triple-stream encoding
- Micro SD slot - 128GB max
- Built-in Microphone (Optional, special order)
- Built-in web server & Multifunction VMS
- Operating Temperature: -30°C ~ +60°C
  -22°F ~ +140°F
- Supports iPhone, Android

Optional Brackets:
- BRACK-WM-49
- BRACK-MM-48
- BRACK-MM-63

**MPIX-80IRBVT**

*8MP WDR IR Turret Network Camera*
- 1/2.5” 8MP progressive scan CMOS
- 2.7mm - 12mm motorized lens
- Max. IR Length 50m/164ft
- 15fps@4K(3840×2160), 25/30fps@3M(2304×1296)
- Day/Night(ICR), Auto Iris, AWB, AGC, BLC
- Angle of View: H:110°~40°, V:58°~23°
- H.265 & H.264 triple-stream encoding
- Ultra Low Light Enhancement
- WDR up to 120dB
- Built-in Microphone (Optional, special order)
- Micro SD card, Max 128GB, IP67, PoE
- Built-in web server & Multifunction VMS
- Operating Temperature: -30°C ~ +60°C
  -22°F ~ +140°F
- Supports iPhone, Android

Optional Brackets:
- BRACK-WM-49
- BRACK-MM-48
- BRACK-MM-63

**MPIX-80VDV-IRM**

*8MP IP Vandal Proof Dome Camera*
- 1/2.5” 8MP progressive scan CMOS
- 2.7mm - 12mm motorized lens
- Max. IR LEDs length 50m/164ft
- 15fps@4K(3840×2160), 25/30fps@3M(2304×1296)
- Ultra Low Light Enhancement
- WDR, Day/Night(ICR), 3DNR, Auto Iris, AWB, AGC, BLC
- H.265+/H.265/H.264+/H.264
- Micro SD card, Max 128GB
- 1/1 Alarm in/out, 1/1 audio in/out
- IP67, IK10, PoE+
- Built-in web server & Multifunction VMS
- Operating Temperature: -30°C ~ +60°C
  -22°F ~ +140°F
- Supports iPhone, Android

Optional Brackets:
- BRACK-MB-63
- BRACK-MM-63

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MegaPixel IP Cameras

**MPIX-80BIMR**
- **8MP WDR IR Motorized Bullet Camera**
  - 1/2.5” 8MP progressive scan CMOS
  - 2.7mm - 12mm motorized lens
  - Max. IR LEDs length 50m/164ft
  - H.265 & H.264 triple-stream encoding
  - Ultra Low Light Enhancement
  - 15fps@4K(3840×2160), 25/30fps@3M(2304×1296)
  - WDR(120dB), Day/Night(ICR), 3DNR, AWB, AGC, BLC
  - H.265 & H.264 triple-stream encoding
  - IP67, PoE+, Micro SD memory card 128GB
  - Multiple network monitoring:
    - Built-in web server & Multifunction VMS
  - Operating Temperature: -30°C ~ +60°C
    - -22°F ~ +140°F
  - Supports iPhone, Android

**Optional Brackets:**
- BRACK-BB-53

**MPIX-80VDF-IR28R2**
- **8MP WDR IR Network Dome Camera**
  - 1/1.8” 8Megapixel progressive CMOS
  - H.265 & H.264 dual-stream encoding
  - 25/30fps@8MP(3840×2160)
  - WDR(120dB), Day/Night(ICR), 3DNR, AWB, AGC, BLC
  - 2.8mm fixed lens
  - Max IR LEDs Length 30m/98ft
  - 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

**Optional Brackets:**
- BRACK-BB-48
- BRACK-WM-48
- BRACK-PM-06

**MPIX-40VDV-IRMLR**
- **4MP IP Vandal Proof Dome Camera**
  - 1/3” 4MP progressive scan Aptina CMOS
  - 7mm ~ 35mm 5X zoom motorized lens
  - Max. IR length 100m/328ft
  - Max 25/30fps@4Mp(2688×1520)
  - WDR(120dB), Day/Night(ICR), 3DNR, AWB, AGC, BLC
  - Micro SD card, Max 128GB
  - Ultra Low Light Enhancement
  - H.265 & H.264 triple-stream encoding
  - 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: -30°C ~ +60°C
    - -22°F ~ +140°F
  - Supports iPhone, Android

**Optional Brackets:**
- BRACK-BB-63
- BRACK-WM-63

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**MegaPixel IP Cameras**

**MPIX-40VDF-IR28R2**

- **NEW PRODUCT**
- Call for availability!

- **NEW PRODUCT**
- SENSEFIER Ultra low light enhancement

- **1/3” 4MP progressive scan CMOS**
- **LENS:** 2.8mm fixed lens
- **Max. IR LEDs length 40m/131ft**
- **20fps@4MP(2560×1440) & 25/30fps@3M(2304×1296)**
- **WDR(120dB), Day/Night(ICR), 3DNR, AWB, AGC, BLC**
- **H.265+ & H.264 dual-stream encoding**
- **Micro SD card slot, up to 256GB, IP67, IK10, PoE**
- **Multiple network monitoring:** Built-in web server & Multifunction VMS
- **Three Axis**
- **Operating Temperature:** -30°C ~ +60°C (-22°F ~ +140°F)

- **Optional Brackets:**
  - BRACK-WM-48
  - BRACK-BB-44
  - BRACK-PM-06

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**MPIX-40VDV-IRV-R2**

- **NEW PRODUCT**
- Call for availability!

- **NEW PRODUCT**
- SENSEFIER Ultra low light enhancement

- **1/3” 4MP progressive scan CMOS**
- **LENS:** 2.7mm – 13.5mm motorized lens
- **Max. IR LEDs length 40m/131ft**
- **20fps@4MP(2560×1440) & 25/30fps@3M(2304×1296)**
- **WDR(120dB), Day/Night(ICR), 3DNR, AWB, AGC, BLC**
- **H.265+ & H.264 dual-stream encoding**
- **Micro SD card slot, up to 256GB, IP67, IK10, PoE**
- **Multiple network monitoring:** Built-in web server & Multifunction VMS
- **Three Axis**
- **Operating Temperature:** -30°C ~ +60°C (-22°F ~ +140°F)

- **Optional Brackets:**
  - BRACK-WM-48
  - BRACK-BB-44
  - BRACK-PM-06

---

**MPIX-40BIMR**

- **4MP HD WDR IR Bullet Camera**
- **1/3” 4MP progressive scan CMOS**
- **LENS:** 2.7mm – 13.5mm motorized lens
- **Max. IR length 50m/164ft**
- **H.265 & H.264 triple-stream encoding**
- **Ultra Low Light Enhancement**
- **H.265**
- **H.264**
- **Micro SD memory, IP67, IK10, PoE**
- **25/30fps@4Mp(2688×1520) & Day/Night(ICR), 3DNR, Auto Iris, AWB, AGC, BLC**
- **2/1 Alarm in/out, 1/1 Audio in/out**
- **Multiple network monitoring:** Built-in web server & Multifunction VMS
- **Operating Temperature:** -30°C ~ +60°C (-22°F ~ +140°F)

- **Optional Bracket:**
  - BRACK-BB-53

---

**Call for availability!**

**info@watchnetinc.com**

**WatchNET Providing Security Solutions Since 2000**
MegaPixel IP Cameras

MPIX-40VDV-IRM

- 4MP IP Vandal Proof Dome Camera
- 1/3" 4MP progressive scan Aptina CMOS
- 2.7mm - 13.5mm motorized varifocal lens
- Max. IR Length 60m/197ft
- 20fps@4M (2688x1520), WDR (120dB), Day/Night (ICR), 3DNR, AWB, AGC, BLC
- H.265 & H.264 dual-stream encoding
- IP67, PoE, Micro SD memory, up to 128GB
- Multiple network monitoring: Built-in web server & Multifunction VMS
- Operating Temperature: -30°C ~ +60°C -22°F ~ +140°F
- Supports iPhone, Android

Optional Brackets:
BRACK-BB-37, BRACK-WM-63

MPIX-40BILRW

- 4MP Full HD IR Bullet Camera
- 1/3" 4MP progressive scan Aptina CMOS
- 2.7 - 13.5mm motorized varifocal lens
- Max. IR Length 60m/197ft
- 20fps@4M (2688x1520), WDR (120dB), Day/Night (ICR), 3DNR, AWB, AGC, BLC
- H.265 & H.264 dual-stream encoding
- IP67, PoE, Micro SD memory, up to 128GB
- Multiple network monitoring: Built-in web server & Multifunction VMS
- Operating Temperature: -30°C ~ +60°C -22°F ~ +140°F
- Supports iPhone, Android

Optional Bracket:
BRACK-BB-37

MPIX-40BIVF

- 4MP WDR Ultra IR Bullet Camera
- 1/3" 4MP progressive CMOS
- 2.7 - 13.5mm motorized varifocal lens
- Max. IR Length 60m/197ft
- 20fps@4M (2688x1520), WDR (120dB), Day/Night (ICR), 3DNR, AWB, AGC, BLC
- H.265 & H.264 dual-stream encoding
- IP67, PoE, Micro SD memory, up to 128GB
- Multiple network monitoring: Built-in web server & Multifunction VMS
- Operating Temperature: -30°C ~ +60°C -22°F ~ +140°F
- Supports iPhone, Android

Optional Bracket:
BRACK-BB-37

### MPIX-40IRBFT

- **MegaPixel**: 4
- **Sensor**: 1/3" 4MP progressive scan CMOS
- **Lens**: 2.8mm fixed lens
- **IR Range**: 50m/164ft
- **Temperature**: -14°F to 140°F
- **Resolution**: 25/30fps@4M(2688×1520)
- **Features**: WDR(120dB), Day/Night(ICR), 3DNR, AWB, AGC, BLC, H.265 & H.264 triple-stream encoding, IP67, PoE, Micro SD memory 128GB
- **Monitors**: Built-in web server & Multifunction VMS
- **Supports**: iPhone, Android

### Optional Brackets:

- BRACK-WM-49
- BRACK-BB-43
- BRACK-PM-06
- BRACK-BB-43B

### MPIX-40IRBFTL / MPIX-40IRBFTL-B

- **MegaPixel**: 4
- **Sensor**: 1/3" 4MP progressive scan CMOS
- **Lens**: 2.8mm fixed lens
- **IR Range**: 35m/115ft
- **Temperature**: -40°F to 140°F
- **Resolution**: 25/30fps@4M(2688×1520)
- **Features**: WDR(120dB), Day/Night(ICR), 3DNR, AWB, AGC, BLC, H.265 & H.264 triple-stream encoding, IP67, PoE, Micro SD memory 128GB
- **Monitors**: Built-in web server & Multifunction VMS
- **Supports**: iPhone, Android

### Optional Brackets for both models:

- BRACK-WM-49
- BRACK-BB-43
- BRACK-PM-06
- BRACK-BB-43B

### MPIX-20VDV-IRM

- **MegaPixel**: 2.1
- **Sensor**: 1/2.8" 2MP progressive scan CMOS
- **Lens**: 2.7mm - 13.5mm motorized lens
- **IR Range**: 50m/164ft
- **Temperature**: -30°C to +60°C / -22°F to +140°F
- **Resolution**: 25/30fps@1080(1920×1080)
- **Features**: Ultra Low Light Enhancement, 50/60fps@4M(2688×1520), WDR(120dB), DayNight(ICR), 3DNR, AWB, AGC, BLC, H.265 & H.264 triple-stream encoding, IP67, PoE, Micro SD memory 128GB, Multiple network monitoring: Built-in web server & Multifunction VMS, Supports iPhone, Android

### Optional Brackets:

- BRACK-BB-63
- BRACK-WM-63
### IP NVRs/Cameras

#### MegaPixel IP Cameras

<table>
<thead>
<tr>
<th>Model</th>
<th>Description</th>
<th>Features</th>
</tr>
</thead>
<tbody>
<tr>
<td>MPIX-40BIR-K28</td>
<td>4MP IR Network Bullet Camera</td>
<td>• 1/3&quot; 4MP progressive scan CMOS&lt;br&gt;• 2.8 mm fixed lens&lt;br&gt;Max. IR LEDs length 30m/98ft&lt;br&gt;Max 20fps@4MP(2688×1520), 25/30fps@3MP(2304x1296)&lt;br&gt;• H.265+ &amp; H.264+ dual-stream encoding&lt;br&gt;• WDR(120dB), Day/Night(ICR), 3DNR, HLC, AGC, BLC&lt;br&gt;• IP67, PoE, Supports DC12V power supply&lt;br&gt;• Supports iPhone, Android&lt;br&gt;• Built-in web server &amp; Multifunction VMS&lt;br&gt;• Operating Temperature: -30°C ~ +60°C -22°F ~ +140°F</td>
</tr>
<tr>
<td>MPIX-40SBC</td>
<td>Special Order</td>
<td>• 1/3&quot; 4MP progressive scan CMOS&lt;br&gt;H.264 &amp; MJPEG dual-stream encoding&lt;br&gt;Max 20fps@4MP(2688×1520) and 25/30fps@3MP(2304x1296)&lt;br&gt;WDR(120dB), Day/Night(ICR), 3DNR, HLC, AGC, BLC&lt;br&gt;2/1 Alarm in/out, 1/1 audio in/out (Built-in Mic)&lt;br&gt;Smart Detection supported&lt;br&gt;Micro SD memory&lt;br&gt;Auto back focus (ABF)&lt;br&gt;Multiple network monitoring: Built-in web server &amp; Multifunction VMS&lt;br&gt;Supports iPhone, Android</td>
</tr>
<tr>
<td>MPIX-21IRBFT</td>
<td>2.1MP Ultra IR Turret Camera</td>
<td>• 1/2.8&quot; 2.1MP progressive scan CMOS&lt;br&gt;2.8mm fixed lens&lt;br&gt;Max. IR LEDs Length 50m/164ft&lt;br&gt;Max 50/60fps@1080P(1920×1080)&lt;br&gt;H.265+ &amp; H.264 triple-stream encoding&lt;br&gt;Angle of View: H:104°, V:57°&lt;br&gt;WDR(120dB), Day/Night(ICR), 3DNR, HLC, AGC, BLC&lt;br&gt;Smart Detection supported&lt;br&gt;WDR(120dB), Day/Night(ICR), 3DNR, AWB, AGC, BLC&lt;br&gt;Built-in web server &amp; Multifunction VMS&lt;br&gt;Micro SD memory slot up to 128GB, IP67, PoE&lt;br&gt;Operating Temperature: -30°C ~ +60°C -22°F ~ +140°F</td>
</tr>
</tbody>
</table>

**Optional Housings:**
- SOH-BC
- SOH-BC-IR
- BBRBOXMXC
- BRACK-BOX

**Optional Brackets:**
- BRACK-WM-49
- BRACK-BB-43
- BRACK-BB-43
MegaPixel IP Cameras

**MPIX-21DF-IRK28**

- **2.1MP HD IR Network Camera**
  - 1/2.7” 2.1MP progressive scan CMOS
  - 2.8mm fixed lens, 3 AXIS
  - Max. IR LEDs length 30m/98ft
  - 25/30fps@1080P(1920×1080)
  - D-WDR, Day/Night(ICR), 3DNR, AWB, AGC, BLC
  - IRC7, IK10, PoE
  - H.265 & H.264 dual stream encoding
  - iPhone and Android Support
  - Operating Temperature: -30°C ~ +60°C
  - -22°F ~ +140°F

Optional Bracket: BRACK-PM-06

**Optional Brackets:** BRACK-PM-06, BRACK-BB-48, BRACK-WM-48

**Supports multiple analytic functions**

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**MPIX-21VDV-IRV**

- **2.1MP HD IR Network Camera**
  - 1/2.8 2.1MP image sensor
  - 2.7 ~ 13.5mm varifocal motorized lens
  - Max. IR length 30m/98ft
  - Ultra Low Light Enhancement
  - WDR, Day/Night(ICR), 3DNR, AWB, AGC, BLC
  - Three Axis
  - 2.1MP 1080p/720p (1 ~ 25/30fps)
  - H.265 & H.264 dual-stream encoding
  - Micro SD card slot, up to 128GB, IP67, IK10, PoE
  - Built-in web server & Multifunction VMS
  - Supports iPhone, Android
  - Supports Multicast
  - Operating Temperature: -30°C ~ +60°C
  - -22°F ~ +140°F

Optional Brackets: BRACK-PM-06, BRACK-BB-48, BRACK-WM-48

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**MPIX-21VDF-IR28**

- **2.1MP HD IR Network Camera**
  - 1/2.8 2.1MP progressive scan CMOS
  - 2.8mm fixed lens, 3 AXIS
  - Max. IR LEDs length 30m/98ft
  - 25/30fps@1080P(1920×1080)
  - D-WDR, Day/Night(ICR), 3DNR, AWB, AGC, BLC
  - IP67, IK10, PoE
  - H.265 & H.264 dual stream encoding
  - iPhone and Android Support
  - Operating Temperature: -30°C ~ +60°C
  - -22°F ~ +140°F

Optional Brackets: BRACK-PM-06, BRACK-BB-48, BRACK-WM-48

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**BRACK-BB-44**

**BRACK-WM-48**

**BRACK-PM-06**

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**BRACK-BB-43**

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**BRACK-PM-06**

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**BRACK-WM-48**
### 2.1MP CMOS HD IR Network Camera

- 1/3" 2.1MP CMOS image sensor
- Lens: Fixed 3.6mm
- Max. IR Distance: 30m/98ft
- Full HD 1080p
- H.264/H.265 video compression
- Indoor/Outdoor IP66 Rated
- Dual encoding streams supported
- Support DC12V power supply, PoE
- Built-in Web server
- Max 30fps@1080p resolution
- iPhone and Android Support
- Operating Temperature: -35°C ~ +50°C
- -31°F ~ +122°F

**MPIX-21BIR-K**

Optional Brackets:
- BRACK-BALL-W-S
- BRACK-WM-49

---

### 2.1MP WDR Box Camera

- 2.1MP progressive scan CMOS
- H.264 & MJPEG dual-stream encoding
- Max 25/30fps@1080p (1920×1080)
- WDR, Day/Night(ICR), 2DNR, Auto iris, AWB, AGC, BLC
- Built-in 1/1 alarm in/out
- Micro SD memory
- Support Multicast
- Built-in web server & Multifunction VMS
- Supports iPhone, Android

**MPIX-21SBC**

Optional Housings:
- SOH-BC
- SOH-BC-IR
- BRACK-BOX

---

### 2.1MP Covert Pinhole Camera

- 1/3" 2.1MP low illumination CMOS Sensor
- Dual-stream encoding
- Built-in 3.7mm 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

**MPIX-21-SPH**

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*SPECIAL ORDER*

*Lens not included*
EDGE LPR SOLUTIONS
Automatic number plate recognition

- Parking Lots
- Drive Thru
- Bus Stations
- Airport
- Hotels
- Office Buildings
- Campus
- Shopping Malls

www.edgelpr.com
2.1MP Full HD IR Network PTZ Camera

MPIX-21IRPTZ

- 4.5mm - 135mm (30x Optical zoom)
- Max. IR LEDs Length 50m/164ft
- Day/Night(Auto ICR), Ultra DNR, BLC / WDR
- Ultra Low Light Technology
- Micro SD memory, IP67, IK10, POE
- Material: 316L Stainless steel
- 4.1mm - 16.4mm motorized lens

Optional Brackets:
- Ceiling Mount Adapter Ring
- Water-proof Power Box

Supports multiple analytic functions

2.1MP Full HD 4x Network PTZ

MPIX-21MP4X

- 4.5mm - 14mm (4x Optical zoom)
- Supports PoE+
- Day/Night(Auto ICR), Ultra DNR
- BLC / WDR
- Ultra Low Light Technology
- IP68, IK10, NEMA 4X
- Material: 316L Stainless steel
- 4.5mm - 135mm focal lens

Optional Brackets:
- Ceiling Mount Adapter Ring
- Water-proof Power Box

Supports multiple analytic functions

MegaPixel IP PTZ Cameras

MPIX-21IRPTZ

- 4.5mm - 135mm (30x Optical zoom)
- Max. IR LEDs Length 50m/164ft
- Day/Night(Auto ICR), Ultra DNR, BLC / WDR
- Ultra Low Light Technology
- Micro SD memory, IP67, IK10, POE
- Material: 316L Stainless steel
- 4.1mm - 16.4mm motorized lens

Optional Brackets:
- Ceiling Mount Adapter Ring
- Water-proof Power Box

Supports multiple analytic functions

2.1MP Full HD IR Network PTZ Camera

MPIX-21IRPTZ

- 4.5mm - 135mm (30x Optical zoom)
- Max. IR LEDs Length 50m/164ft
- Day/Night(Auto ICR), Ultra DNR, BLC / WDR
- Ultra Low Light Technology
- Micro SD memory, IP67, IK10, POE
- Material: 316L Stainless steel
- 4.1mm - 16.4mm motorized lens

Optional Brackets:
- Ceiling Mount Adapter Ring
- Water-proof Power Box

Supports multiple analytic functions

2.1MP Full HD 4x Network PTZ

MPIX-21MP4X

- 4.5mm - 14mm (4x Optical zoom)
- Supports PoE+
- Day/Night(Auto ICR), Ultra DNR
- BLC / WDR
- Ultra Low Light Technology
- IP68, IK10, NEMA 4X
- Material: 316L Stainless steel
- 4.5mm - 135mm focal lens

Optional Brackets:
- Ceiling Mount Adapter Ring
- Water-proof Power Box

Supports multiple analytic functions
PNT-16EXAI-0T

16 CH Penta-Brid 4K (2U) DVR
- 2U Penta-Brid Embedded LINUX processor
- H.265+/H.265 dual-stream video compression
- Supports HDCVI/AHD/TVI/CVBS/IP video inputs
- Supports 64 channels of IPC access, each channel up to 12MP input
- Max 256Mbps incoming bandwidth
- HDMI1 4K@60fps output
- 8 SATA Ports, up to 10TB capacity for each disk
- Built-in web server & Multifunction VMS
- AI Functions ONLY Supported on BNC Inputs, recommended Resolution of 2.1MP or higher:
  - 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

PNT-0880AI

8 CH Penta-Brid 4K AI (1U) DVR
- 1U Penta-Brid Embedded LINUX processor
- H.265+/H.265 dual-stream video compression
- Supports HDCVI/AHD/TVI/CVBS/IP video inputs
- Supports 8BNC+8IP, each channel up to 8MP input
- Max 64Mbps incoming bandwidth
- POS functionalities
- 2 USB Ports (1 USB 2.0, 1 USB 3.0)
- 2 SATA Ports, up to 10TB capacity for each disk
- Built-in web server & Multifunction VMS
- AI Functions:
  - Fenced Area Protection and Smart Detection Classification
  - AI Support ONLY on BNC inputs, NOT on IP Channel

PNT-1680AI

16 CH Penta-Brid 4K AI (1U) DVR
- 1U Penta-Brid Embedded LINUX processor
- H.265+/H.265 dual-stream video compression
- Supports HDCVI/AHD/TVI/CVBS/IP video inputs
- Supports 16BNC+16IP, each channel up to 8MP input
- Max 128Mbps incoming bandwidth
- POS functionalities
- 2 USB Ports (1 USB 2.0, 1 USB 3.0)
- 2 SATA Ports, up to 10TB capacity for each disk
- Built-in web server & Multifunction VMS
- AI Functions:
  - Fenced Area Protection and Smart Detection Classification
  - AI Support ONLY on BNC inputs, NOT on IP Channel
**Penta-Brid DVRs**

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**PNT-16EX**

16CH Penta-Brid DVR (2U) DVR
- 2U Penta-Brid Embedded LINUX processor
- Penta-Brid supports: (XVI/HDCVI)/AHD/CVBS/TVI/IP* video inputs
- Up to 16 CH total
  (SD/AHD/XVI/CVI/TVI) + 48IP=Total 64CH’s
- IP Channels support up to 12MP(4K)
- Max 256Mbps Incoming Bandwidth,
  384Mbps Forwarding Bandwidth
- 2 HDMI (HDMI1 up to 4K), 1 VGA
- HDMI2 programmable spot monitor (1080p)
- Smart H.264 dual-stream video compression
- Dual network ports, P2P
- 8 SATA Ports, up to 8 TB capacity for each disk
- Alarm Input - 16 channel, Relay Output - 6
- Built-in web server & Multifunction VMS

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**PNT-0480 / PNT-0880 / PNT-1680**

4, 8 & 16 CH 8MP Penta-Brid Mini 1U DVR
- 4, 8 & 16 channel Embedded LINUX OS
- Penta-Brid supports (HDCVI/XVI, TVI, AHD, CVBS, IP)
- H.265+/H.265 Dual-stream video compression
- Support 1 SATA HDD up to 10TB capacity
- Multiple network monitoring:
  Web viewer, HD VMS & Mobile phone viewer
- Supports additional channels using IP Cameras:
  **PNT-0480:** 2K HDMI Output
  - Up to 5MP XVI Camera support
  - 4CH DVR + 2 extra IP channels = Total of 6 channels
  **PNT-0880:** 4K HDMI Output
  - 8CH DVR + 4 extra IP channels = Total of 12 channels
  - Up to 8MP XVI Camera support
  **PNT-1680:** 4K HDMI Output
  - 16CH DVR + 8 extra IP channels = Total of 24 channels
  - Up to 8MP XVI Camera support
  Supports multiple analytic functions

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**PNT-0421 / PNT-0821 / PNT-1621**

4, 8 & 16 CH 2.1MP Penta-Brid Mini 1U DVR
- 4, 8 & 16 channel Embedded LINUX OS
- 2.1MP XVI Camera support
- 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
- Penta-Brid supports (HDCVI/XVI, TVI, AHD, CVBS, IP)
- H.265+/H.265 Dual-stream video compression
- Support 1 SATA HDD up to 10TB capacity
- Max IP Camera resolution up to 8MP
- Multiple network monitoring:
  Web viewer, HD VMS & Mobile phone viewer
- 3D Intelligent positioning with WatchNET PTZ camera

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WatchNET Providing Security Solutions Since 2000
XVI Cameras

**XVI-80IRBT**

- **4K HD CVI IR Turret Camera**
  - 1/2.7 inch CMOS IR Turret Camera
  - 120dB True WDR, 3DNR
  - Max. 4K resolution
  - CVI/CVBS/AHD/TVI switchable
  - 3.6mm Fixed lens
  - Max. IR length 50m/164ft, Smart IR
  - IP67, 12V±30% DC
  - Compatible with HD-CVI DVRs
  - Smart phones compatible
  - Operating Temperature: -40°C ~ +60°C
  - -40°F ~ +140°F

**Optional Brackets:**
- BRACK-WM-49
- BRACK-BB-43
- BRACK-PM-06

Call for availability!

**XVI-80VDF-IR28**

- **4K HD CVI IR Dome Camera**
  - 1/2.7 inch CMOS 8MP HD image sensor
  - 120dB true WDR, 3DNR
  - Max. 4K resolution
  - CVI/CVBS/AHD/TVI switchable
  - 2.8mm Fixed lens
  - Max. IR length 30m/98ft, Smart IR
  - IP67, IK10, 12V±30% DC
  - Compatible with HD-CVI DVRs
  - Smart phones compatible
  - Operating Temperature: -40°C ~ +60°C
  - -40°F ~ +140°F

**Optional Brackets:**
- BRACK-WM-48
- BRACK-BB-44
- BRACK-PM-06

Call for availability!

**XVI-80VDV-IRVD**

- **8MP 4K WDR Dual Voltage Dome Camera**
  - 1/3” 8MP HD CMOS image sensor
  - Dual Voltage - AC24V±30% / DC12V±30%
  - 3.7 - 11mm motorized lens
  - Max. IR LEDs length 30m/98ft
  - Max 4K resolution
  - Ultra Low Light Enhancement
  - Day/Night(ICR), AWB, AGC, BLC
  - 120dB True WDR, 3DNR
  - Built-in web server & Multifunction VMS
  - IP67, IK10, OSD Menu
  - Compatible with HD-CVI DVRs
  - Smart phones compatible
  - Operating Temperature: -30°C ~ +60°C
  - -22°F ~ +140°F

**Optional Brackets:**
- BRACK-WM-48
- BRACK-BB-48
- BRACK-PM-06

Motorized Remote Zoom & Focus Lens

Call for availability!
XVI Cameras

XVI-80BIMRD

8MP 4K IR Dual Voltage Bullet Camera
- 1/2" 8MP HD CMOS image sensor
- Dual Voltage - AC24V±30% / DC12V±30%
- 3.7 - 11mm motorized lens
- Max. IR LEDs length 80m/262ft
- 120dB True WDR, 3DNR
- Ultra Low Light Enhancement
- Day/Night(ICR), AWB, AGC, BLC
- IP67, OSD Menu
- Built-in web server & Multifunction VMS
- CVI Compatible Camera
- Smart phones compatible
- Operating Temperature: -30°C ~ +60°C
  -22°F ~ +140°F

Optional Brackets:
- BRACK-49
- BRACK-43
- BRACK-PM-06
- BRACK-BB-43B

XVI-80IRBVMTD

8MP 4K IR Dual Voltage Turret Camera
- 1/2" 8MP HD CMOS image sensor
- Dual voltage - AC24V±30% / DC12V±30%
- 3.7mm - 11mm motorized lens
- Max 4K resolution
- Max. IR LEDs length Up to 60m/197ft
- Ultra Low Light Enhancement
- 120dB true WDR, 2D/3D DNR
- Day/Night(ICR), AWB, AGC, BLC
- IP67, OSD Menu
- Built-in web server & Multifunction VMS
- CVI Compatible Camera
- Smart phones compatible
- Operating Temperature: -30°C ~ +60°C
  -22°F ~ +140°F

Optional Brackets:
- BRACK-WM-48
- BRACK-BB-48
- BRACK-PM-06

XVI-50IRBT / XVI-50IRBT-B

5MP D-WDR IR Turret Camera
- 1/2.7" 5MP HD CMOS image sensor
- 2.8mm fixed lens
- Max. IR LEDs length 50m/164ft
- 25fps@4MP, 25/30fps@1080P, 25/30fps@720P
- HD and SD dual-output
- D-WDR, Day/Night(ICR),
- Built-in web server & Multifunction VMS
- IP67, DC12V, OSD Menu
- Smart phones compatible
- Operating Temperature: -40°C ~ +60°C
  -40°F ~ +140°F

Optional Brackets:
- BRACK-WM-49
- BRACK-BB-43
- BRACK-PM-06
- BRACK-BB-43B

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**XVI-40BIMRD**

- **4MP HD IR Dual Voltage Bullet Camera**
- 1/3" 4MP HD CMOS image sensor
- Dual Voltage - AC24V±25% / DC12V±25%
- 2.7 - 13.5mm motorized lens
- Max. IR LEDs length 30m/98ft
- Day/Night(ICR), AWB, AGC, BLC
- 120dB True WDR, 3DNR, Day/Night(ICR)
- Built-in web server & Multifunction VMS
- IP67, OSD Menu
- Smart phones compatible
- Operating Temperature: -30°C ~ +60°C
- -22°F ~ +140°F

**Optional Brackets:**
- BRACK-BB-37

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**XVI-40VDV-IRVD**

- **4MP IR Vandal-proof Dual Voltage Dome**
- 1/3" 4MP HD CMOS image sensor
- Dual Voltage - AC24V±25% / DC12V±25%
- 2.7 - 13.5mm lens, Smart IR
- Max. IR LEDs length 30m/98ft
- 120dB True WDR, 3DNR, Day/Night(ICR)
- IP67, IK10, OSD Menu
- Smart phones compatible
- Operating Temperature: -30°C ~ +60°C
- -22°F ~ +140°F

**Optional Brackets:**
- BRACK-WM-48
- BRACK-BB-48
- BRACK-PM-06

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**XVI-40IRBT / XVI-40IRBT-B**

- **4MP WDR IR Turret Camera**
- 1/3" 4MP HD CMOS image sensor
- 2.8mm fixed lens
- Max. IR LEDs length 50m/164ft
- 25fps@4MP, 25/30fps@1080P, 25/30fps@720P
- WDR(120dB), Day/Night(ICR), BLC
- Built-in web server & Multifunction VMS
- IP67, DC12V, OSD Menu
- Smart phones compatible
- Operating Temperature: -40°C ~ +60°C
- -40°F ~ +140°F

**Optional Brackets:**
- BRACK-WM-49
- BRACK-BB-43
- BRACK-PM-06
- BRACK-BB-43-B

---

**XVI-40VDV-IRV**

- **4MP IR Vandal Proof Dome Camera**
- 1/3" 4MP HD CMOS image sensor
- Max. IR LEDs length 30m/98ft
- 2.7 - 13.5mm lens, Smart IR
- Max 30fps@4MP
- Day/Night(ICR), AWB, AGC, BLC
- D-WDR, 2D DNR
- HD and SD dual-output
- IP67, IK10, 12V DC ±25%
- OSD Menu
- Smart phones compatible
- CVI Compatible Camera
- Operating Temperature: -40°C ~ +60°C
- -40°F ~ +140°F

**Optional Brackets:**
- BRACK-WM-48
- BRACK-BB-48
- BRACK-PM-06
XVI Cameras

**XVI-40VDF-IR28**
- 4MP IR Dome Camera
- 1/3" 4MP HD CMOS image sensor
- 2.8mm fixed lens
- Max. IR length 30m/98ft
- Max 30fps@4MP
- HD and SD output switchable
- D-WDR, Day/Night (ICR), DNR 2D, AGC, BLC
- Smart IR control
- IP67, IK10, DC12V
- OSD Menu
- Built-in web server & Multifunction VMS
- CVI Compatible Camera
- Smart phones compatible
- Operating Temperature: -40°C ~ +60°C
  -40°F ~ +140°F

**XVI-21IRBVMTD**
- 2.1MP IR Dual Voltage Camera
- 1/2.8" 2.1MP CMOS image sensor
- Dual Voltage - AC 24V±30% / DC12V±30%
- 2.7mm - 13.5mm motorized lens
- Max. IR LEDs length Up to 60m/197ft
- Ultra Low Light Enhancement
- 120dB true WDR, Smart IR control
- Day/Night(ICR), AWB, AGC, BLC
- OSD Menu
- Built-in web server & Multifunction VMS
- CVI Compatible Camera
- Smart phones compatible
- Operating Temperature: -40°C ~ +60°C
  -40°F ~ +140°F

**XVI-21VDV-IRMS**
- 2.1MP 1080p WDR Dual Voltage IR Dome
- 1/2.8" 2.1MP CMOS image sensor
- Dual Voltage - AC24V±25% / DC12V±25%
- 2.7 - 12mm motorized lens, Auto Iris
- Ultra Low Light Enhancement
- 25/50/60fps@1080p, 50/60fps@720p
- Max. IR LEDs length 50m/164ft, Smart IR
- 120dB True WDR, Day/Night (ICR), AWB, AGC, BLC, 3DNR
- High speed, long distance real-time transmission
- Audio, Alarm, Heater (special order)
- IP67, IK10, OSD Menu
- Built-in web server & Multifunction VMS
- CVI Compatible Camera
- Smart phones compatible
- Three Axis
- Operating Temperature: -30°C ~ +60°C
  -22°F ~ +140°F

Optional Brackets:
- BRACK-WM-48
- BRACK-BB-44
- BRACK-PM-06

SENSEIFIER
Ultra low light enhancement
SERIESPRO
Motorized Remote Zoom & Focus Lens
3 AXIS

BRACK-BB-63 BRACK-WM-63

info@watchnetinc.com WatchNET Providing Security Solutions Since 2000
<table>
<thead>
<tr>
<th>Model</th>
<th>Description</th>
</tr>
</thead>
<tbody>
<tr>
<td><strong>XVI-21BIMRD</strong></td>
<td>2.1MP IR Dual Voltage Bullet Camera</td>
</tr>
<tr>
<td></td>
<td>• 1/2.8” 2.1MP CMOS image sensor</td>
</tr>
<tr>
<td></td>
<td>• Dual Voltage - AC 24V±30% / DC12V±30%</td>
</tr>
<tr>
<td></td>
<td>• 2.7mm - 13.5mm motorized lens</td>
</tr>
<tr>
<td></td>
<td>• Max. IR LEDs length Up to 80m/267ft</td>
</tr>
<tr>
<td></td>
<td>• Ultra Low Light Enhancement</td>
</tr>
<tr>
<td></td>
<td>• 120dB true WDR, 3DNR</td>
</tr>
<tr>
<td></td>
<td>• HD and SD dual-output</td>
</tr>
<tr>
<td></td>
<td>• Smart IR control</td>
</tr>
<tr>
<td></td>
<td>• Day/Night(ICR), AWB, AGC, BLC</td>
</tr>
<tr>
<td></td>
<td>• IP67, OSD Menu</td>
</tr>
<tr>
<td></td>
<td>• Built-in web server &amp; Multifunction VMS</td>
</tr>
<tr>
<td></td>
<td>• CVI Compatible Camera</td>
</tr>
<tr>
<td></td>
<td>• Smart phones compatible</td>
</tr>
<tr>
<td></td>
<td>• Operating Temperature: -30°C ~ +60°C, -22°F ~ +140°F</td>
</tr>
<tr>
<td>Optional Bracket:</td>
<td>BRACK-BB-37</td>
</tr>
</tbody>
</table>

| **XVI-21RBVMT**  | 2.1MP IR Camera                                                                                 |
|                  | • 2.1MP CMOS image sensor                                                                        |
|                  | • Max. IR LEDs length Up to 60m/197ft                                                           |
|                  | • 120dB true WDR, 3DNR                                                                           |
|                  | • 2.7mm - 13.5mm motorized lens                                                                  |
|                  | • Max. IR LEDs length Up to 80m/267ft                                                           |
|                  | • Ultra Low Light Enhancement                                                                   |
|                  | • 120dB true WDR, 3DNR                                                                           |
|                  | • Day/Night(ICR), AWB, AGC, BLC                                                                   |
|                  | • IP67, DC12V, Smart IR                                                                          |
|                  | • OSD Menu, CVI Compatible Camera                                                                |
|                  | • Built-in web server & Multifunction VMS                                                        |
|                  | • Smart phones compatible                                                                       |
|                  | • Operating Temperature: -30°C ~ +60°C, -22°F ~ +140°F                                            |
| Optional Bracket:| BRACK-BB-48, BRACK-WM-48, BRACK-PM-06                                                             |

<table>
<thead>
<tr>
<th><strong>XVI-21RBT / XVI-21RBT-B</strong></th>
<th>2.1MP Ultra IR Turret Camera</th>
</tr>
</thead>
<tbody>
<tr>
<td></td>
<td>• 1/2.7 2.1MP HD CMOS image sensor</td>
</tr>
<tr>
<td></td>
<td>• 2.8mm fixed lens</td>
</tr>
<tr>
<td></td>
<td>• Max. IR LEDs length 50m/164ft, Smart IR</td>
</tr>
<tr>
<td></td>
<td>• 25/30fps@1080p</td>
</tr>
<tr>
<td></td>
<td>• Effective pixels 1930(H)×1088(V)</td>
</tr>
<tr>
<td></td>
<td>• High speed, long distance real-time transmission</td>
</tr>
<tr>
<td></td>
<td>• Day/Night(ICR), AWB, AGC, BLC, 2DNR</td>
</tr>
<tr>
<td></td>
<td>• OSD Menu</td>
</tr>
<tr>
<td></td>
<td>• IP67, DC12V</td>
</tr>
<tr>
<td></td>
<td>• Built-in web server &amp; Multifunction VMS</td>
</tr>
<tr>
<td></td>
<td>• CVI Compatible Camera</td>
</tr>
<tr>
<td></td>
<td>• Smart phones compatible</td>
</tr>
<tr>
<td></td>
<td>• Operating Temperature: -40°C ~ +60°C, -40°F ~ +140°F</td>
</tr>
</tbody>
</table>
XVI Cameras

XVI-21VDV-IRV
2.1MP 3 Axis Motorized Zoom/Focus Camera
- 1/2.7" 2.1 Megapixel CMOS image sensor
- 2.7 ~ 13.5mm motorized lens
- Max. IR LEDs length 30m/98ft
- 120dB true WDR
- IP67 Infrared housing, IK10
- Close Focus Distance: 200mm (7.87”)
- High speed, long distance real-time transmission
- Smart IR (Auto sensitivity control)
- OSD Menu
- Day/Night (ICR), AWB, AGC, BLC, 3D-DNR
- Compatible with HD-CVI DVRs
- Three Axis
- Operating Temperature: -40°C ~ +60°C
  -40°F ~ +140°F

Optional Brackets:
BRACK-WM-48  BRACK-BB-48  BRACK-PM-06

XVI-21VDF-IR28
2.1MP IR Dome Camera
- 1/2.9" 2.1MP HD CMOS image sensor
- 2.8mm fixed lens
- Max. IR length 30m/98ft
- Max 30fps@1080P resolution
- HD and SD output switchable
- Day/Night (ICR), DNR 2D, AGC, BLC
- Smart IR control
- IP67, IK10, DC12V
- OSD Menu
- Built-in web server & Multifunction VMS
- CVI Compatible Camera
- Three Axis
- Operating Temperature: -40°C ~ +60°C
  -40°F ~ +140°F

Optional Brackets:
BRACK-WM-48  BRACK-BB-44  BRACK-PM-06

XVI-21BIR-K
2.1MP HD IR Bullet Camera
- 1/3" 2.1MP HD CMOS image sensor
- MegaPixel Lens: 3.6mm Fixed focus
- Max. IR Distance 30m/98ft
- Resolution - 1920(H)×1080(V)@25 fps
- IP66 rated housing
- DC12V (500mA)
- High speed, long distance real-time transmission
- Smart IR (Auto sensitivity control)
- OSD Menu
- Day/Night (ICR), AWB, AGC, BLC, 3D-DNR
- Compatible with HD-CVI DVRs
- Operating Temperature: -40°C ~ +60°C
  -40°F ~ +140°F

Optional Bracket:
BR-BOX-MXC
XVI Cameras

2.1MP CVI Motion Detector Camera
XVI-21PIR

- 1/2.8" 2.1MP CMOS
- 2.8mm fixed lens
- BLC / HLC / D-WDR
- HD and SD output switchable
- 12m/100° detecting range/angle
- Two level detection sensitivity adjustable
- Angle of View: H: 100.5°
- Built-in tamper switch
- Power Supply: 12VDC ±25%
- Close Focus Distance: 500mm / 19.7"

Optional Brackets:
- Ceiling Mount Adapter Ring
- Water-proof Power Box

2.1MP Full HD 25x Network PTZ Camera
XVI-21RPTZ

- 4.8mm - 120mm (25x Optical zoom)
- Max. 25/30fps@1080P, 25/30/50/60fps@720P
- IR LEDs up to 200m/656ft
- Preset Speed - Pan: 240°/s; Tilt: 200°/s
- IP67, WDR(120dB), 3D DNR
- Up to 255 presets, 5 auto scan, 8 tour, 5 pattern
- -40°C ~ +70°C (-40°F ~ +158°F)

Optional Brackets:
- BRACK-CMA-PTZ
- BRACK-MPIX-21MP-PEND

2.1MP Full HD 12x Network PTZ
XVI-21MP12X

- 5.1mm - 61.2mm (12x Optical zoom)
- 360° continuous pan rotation
- Built-in 2/1 alarm in/out
- Max 30fps@1080P
- IP66, IK10

Optional Brackets:
- Ceiling Mount Adapter Ring
- Water-proof Power Box

2.1MP ATM Pinhole Camera
XVI-21SPH

- 1/2.9" 2.1MegaPixel CMOS
- 2.8mm fixed lens
- BLC / HLC / D-WDR
- HD and SD output switchable
- 12m/100° detecting range/angle
- Two level detection sensitivity adjustable
- Angle of View: H: 100.5°
- Built-in tamper switch
- Power Supply: 12VDC ±25%
- Close Focus Distance: 500mm / 19.7"

Optional Brackets:
- Ceiling Mount Adapter Ring
- Water-proof Power Box

SENSEFIER
Ultra low light enhancement

2.1MegaPixel

Optional:
- Ceiling Mount Adapter Ring
- Water-proof Power Box

HD and SD output switchable
High speed, long distance real-time transmission
HD and standard definition switchable
Max 30fps@1080P
Power Supply: 12VDC ±25%
**XVI PTZ Camera**

**XVI Enhanced CVI HD Fast Pack KITs**

### 4CH DVR Fast Pack

<table>
<thead>
<tr>
<th>Channel</th>
<th>Cameras</th>
<th>Kit</th>
<th>2.1MP KIT</th>
</tr>
</thead>
<tbody>
<tr>
<td>4</td>
<td>4</td>
<td>EVI-04KIT4-21IRB (XVI-21IRBT)</td>
<td>2.1MP KIT</td>
</tr>
<tr>
<td>5MP</td>
<td></td>
<td>EVI-04KIT4-50IRBT (XVI-50IRBT)</td>
<td>5MP KIT</td>
</tr>
</tbody>
</table>

### 8CH DVR Fast Pack

<table>
<thead>
<tr>
<th>Channel</th>
<th>Cameras</th>
<th>Kit</th>
<th>2.1MP KIT</th>
</tr>
</thead>
<tbody>
<tr>
<td>8</td>
<td>6</td>
<td>EVI-08KIT6-21IRB (XVI-21IRBT)</td>
<td>2.1MP KIT</td>
</tr>
<tr>
<td>5MP</td>
<td></td>
<td>EVI-08KIT6-50IRBT (XVI-50IRBT)</td>
<td>5MP KIT</td>
</tr>
</tbody>
</table>

### 16CH DVR Fast Pack

<table>
<thead>
<tr>
<th>Channel</th>
<th>Cameras</th>
<th>Kit</th>
<th>2.1MP KIT</th>
</tr>
</thead>
<tbody>
<tr>
<td>16</td>
<td>8</td>
<td>EVI-16KIT8-21IRB (XVI-21IRBT)</td>
<td>2.1MP KIT</td>
</tr>
<tr>
<td>5MP</td>
<td></td>
<td>EVI-16KIT8-50IRBT (XVI-50IRBT)</td>
<td>5MP KIT</td>
</tr>
</tbody>
</table>

---

**WatchNET EVI Fast Pack DVR KITs** are specially put together for easy installations, plug & play default settings and hassle free P2P cloud connection for remote viewing.

---

**XVI-21MP4X**

- **2.1MP Full HD 4x Network PTZ**
  - 2.7mm - 11mm (4x Optical zoom)
  - Motorized Pan tilt zoom
  - Max 30fps@1080p
  - IP66 Rated
  - Vandal resistance (IK10 for metal and polycarbonate casing)

**2.1MP Full HD 4x Network PTZ**

- **2.7mm - 11mm (4x Optical zoom)**
- **Motorized Pan tilt zoom**
- **Max 30fps@1080p**
- **IP66 Rated**
- **Vandal resistance (IK10 for metal and polycarbonate casing)**
POE/POE+ Switches for CCTV Industry

<table>
<thead>
<tr>
<th>Model</th>
<th>Description</th>
<th>Features</th>
</tr>
</thead>
</table>
| POESW08 | 8+2 Port Unmanaged PoE/PoE+ Switch | - 8 PoE 10/100 Downlink Ports  
- 2 Gigabit Uplink RJ45 Ethernet Ports  
- Specialty 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 | 16+2 Port Unmanaged PoE/PoE+ Switch | - 16 PoE 10/100 Downlink Ports  
- 2 Gigabit Uplink RJ45 Ethernet Ports  
- 1 Gigabit Fiber Port (SFP)  
- Specialty 250m/820ft CCTV Mode  
- No Frame Loss IP Data Transmission  
- 6KV Lightning Protection  
- 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 Transmission  
- 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 |
| 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 |
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 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 department.

**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!
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:**

- 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**

www.watchnetinc.com  
WatchNET Providing Security Solutions Since 2000
Access Controllers ENC KITs

WAC-2D2T-ENC KIT
2 Door 2 Reader

- 32 bit controller TCP/IP in Cabinet with Power supply
- 2 proximity Readers
- Free Software & license for 2 camera integration and up to 8 doors & 3000 users
- 10 Proximity Cards

Controller/Aux Power Included with battery charger

UL Listed
E478097

WAC-4D4T-ENC KIT
4 Door 4 Reader

- 32 bit controller TCP/IP in Cabinet with Power supply
- 4 proximity Readers
- Free Software & license for 2 camera integration and up to 8 doors & 3000 users
- 10 Proximity Cards

Controller/Aux Power Included with battery charger

UL Listed
E478097

Access Controllers ENC KITs

WAC-4D8T-ENC KIT
4 Door 8 Reader

- 32 bit controller TCP/IP in Cabinet with Power supply
- 8 proximity Readers
- Free Software & license for 2 camera integration and up to 8 doors & 3000 users
- 10 Proximity Cards

Controller/Aux Power Included with battery charger

UL Listed
E478097

WAC-8D8T-ENC KIT
8 Door 8 Reader

- 32 bit controller TCP/IP in Cabinet with Power supply
- 8 proximity Readers
- Free Software & license for 2 camera integration and up to 8 doors & 3000 users
- 10 Proximity Cards

Controller/Aux Power Included with battery charger

UL Listed
E478097

Access Controllers 485 KITs

WAC-2D2T-485 KIT
2 Door 2 Reader

- 2 door, 2 readers (WAR-MPX-485)
- 32 bit controller with TCP/IP in cabinet w/Power Supply
- Free Software (WAS-PRO-008)
- 10 cards (WAC-EMC-ISO)

Controller/Aux Power Included with battery charger

TCP / IP

WAC-4D4T-485 KIT
4 Door 4 Reader

- 4 door, 4 readers (WAR-MPX-485)
- 32 bit controller with TCP/IP in cabinet w/Power Supply
- Free Software (WAS-PRO-008)
- 10 cards (WAC-EMC-ISO)

Controller/Aux Power Included with battery charger

TCP / IP

WatchNET Providing Security Solutions Since 2000
WAC-2D2T-ENC

- 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
  - 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

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

- 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:
  - 2 Built-in Inputs & 6 Built-in Outputs

- Model WAC-4D8T-ENC:
  - 4 Built-in Inputs & 8 Built-in Outputs

WAC-8D8T-ENC

- 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
**WAE-016-ENC**

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: 40°C~70°C
- Data Memory: 512KB (protected)

**WAI-016-ENC**

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: -40°C~70°C
- 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 WatchNET Access Software

**WAC-1D2T MICRO**

Single Door Network Controller
- 32 bit processor with 4M bit data memory
- 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
- Built-in EM and HID Proximity reader
### Proximity Readers / Receivers

**WAR-EHO-MPX**  
**Multi proximity reader**  
- Multi technology / Multi format reader  
- Modulation: ASK at 125 kHz  
- Maximum read range: 50mm (2.00 in.)  
- Output: W26/34 Options  
- Operating Voltage: 7-12VDC  
- Operating Current: <100mA  
- Standby Current: <50mA  
- Working Temperature: -40°C to +65°C / -40°F to 149°F  
- LED Control Input - Dry Contact, N/O  
- Buzzer Control Input - Dry Contact, N/O  
- Weight: 12 oz. (340g)  
- Dimensions: 445 x 445 x 65mm  
- Model WAR-HAM-LRW  
- Model WAR-HAM-SRW

**WAR-EM1-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 / -31°F to 122°F  
- LED Control Input - Dry Contact, N/O  
- Buzzer Control Input - Dry Contact, N/O  
- Weight - 1200g (2.64 lb)  
- Dimensions: 260mm L x 260mm W x 35mm D  
- 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  
- Model WAR-HAM-LRW  
- Model WAR-HAM-SRW

**WAR-EO1-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: -30°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 - 500 g (1.10lb)  
- Dimensions: 120mm L x 76mm W x 21mm D  
- 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  
- Model WAR-HAM-LRW  
- Model WAR-HAM-SRW

**WAR-MPX-485**  
**Multi-Technology RS485 Reader**  
- Maximum read range: 50mm (2.00 in.)  
- Modulation: ASK at 13.56MHz  
- Output: RS485, 4 wires  
- Distance to Panel: 1200m/0.74miles  
- Compatible Cards: Mifare S50, S70, KK1208M1 CPU cards  
- ISO14443A  
- Operating Voltage: 7-12VDC  
- Operating Current: ≤100mA  
- Standby Current: ≤80mA  
- Working Temperature: -35°C to 65°C / -31°F to 122°F  
- LED Control Input - RS485 Protocol  
- Buzzer Control Input - RS485 Protocol  
- Weight: 250g / 0.55lb  
- Dimensions: 98mm L x 42mm W x 18mm D  
- Weight: 0.290kg / 0.63lbs

**WAR-UHF-LR**  
**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/-31°F~+122°F  
- Storage Temp.: -10°C~+40°C/14°F~104°F  
- Input Power: 100-240V, DC+9V  
- Support auto-running, interactive and trigger-activating work mode  
- Model WAR-UHF-LR  
- ISO18000-6B, EPC Class 1 Gen 2/ISO18000-6C  
- Built-in 12dB 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 8dB linearized polarized antenna  
- 850mA Power consumption  
- 0 - 5m Read range / 0 - 2m White range  
- Dimension: 26mm x 26mm x 4.5mm  
- 1.02' x 1.02' x 0.18'

**WAR-UHF-SR**  
**UHF Access Card**  
- 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  
- Model WAR-HAM-LRW  
- Model WAR-HAM-SRW

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

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

**Access Control**  
- WAC-HIT-WT2  
- WAC-HIT-WT4  
  433 MHz  
  Long Range Identification Transmitters with built-in proximity access  
  HID (HIT) or AID (AIT) Format

**WAC-UHF-ISO**  
**UHF Access Card**  
- 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  
- Model WAR-HAM-LRW  
- Model WAR-HAM-SRW

**WAC-UHF-HLD**  
**Windshield Card Holder**  
- 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  
- Model WAR-HAM-LRW  
- Model WAR-HAM-SRW

**WAC-UHF-SR**  
**UHF Sticker for vehicles/articles**  
- 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  
- Model WAR-HAM-LRW  
- Model WAR-HAM-SRW
Reader / Biometric / Receiver / Server

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, 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-U-FCRS
WAB-U-FCRS

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. (113g)

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 Internal
- 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

WAB-P-USB
WAB-U-USB
USB Fingerprint Enrolment 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
- Low energy consumption with built-in sleep mode
- TFT touch screen, friendly GUI interface and Voice prompts
- Multiple identification mode: Face, Card, PIN, & Combinations
- Fully integrated with WatchNET software

ACC SERVER

ACC-134-Server
ACC-154-Server
ACC-174-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
Access Control Special Order Accessories

WAA-REX-MEN
Request to Exit Switch

WAA-REX
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-DRC-FLL
Door Contact Flush Mount

WAC-EMC-CSH
Clamshell Cards

WAA-LWA-PTL
Transfer Loop

WAC-EMT-SL / WAC-HIT-SL
Sailboat Tags

WAA-POW-04UL
4CH Power Supply
- 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

With built-in back up battery charger

UL Listed

E358365 4W20
I.T.E POWER SUPPLY

WAA-POW-09UL
9CH Power Supply
- 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

With built-in back up battery charger

UL Listed

E358365 4W20
I.T.E POWER SUPPLY
### Accessories

<table>
<thead>
<tr>
<th>KBD-803D</th>
<th>3 Dimensional PTZ Controller</th>
</tr>
</thead>
<tbody>
<tr>
<td>• 3D Joystick for Simple Manual Operation</td>
<td></td>
</tr>
<tr>
<td>• RS485 Bus Line connects to 32 domes at once</td>
<td></td>
</tr>
<tr>
<td>• Large LCD Screen</td>
<td></td>
</tr>
<tr>
<td>• Compatible with multiple PTZ Protocol</td>
<td></td>
</tr>
<tr>
<td>• Controls the Iris, Focus and Zoom as well as 128 presets, tour, scan and patterns</td>
<td></td>
</tr>
<tr>
<td>• Supports PELCO matrix</td>
<td></td>
</tr>
<tr>
<td>• Supports 4 keyboards linkage, each keyboard can support 32 domes at most</td>
<td></td>
</tr>
</tbody>
</table>

<table>
<thead>
<tr>
<th>POW-PTZ-AC-DOME</th>
<th>PTZ - AC Power Supply</th>
</tr>
</thead>
<tbody>
<tr>
<td>• Input - 120VAC 60Hz</td>
<td></td>
</tr>
<tr>
<td>• High quality Die cast aluminum</td>
<td></td>
</tr>
<tr>
<td>• Output - 24V</td>
<td></td>
</tr>
</tbody>
</table>

<table>
<thead>
<tr>
<th>POW-12V-1A</th>
<th>12V DC 1 AMP Single Transformer</th>
</tr>
</thead>
<tbody>
<tr>
<td>• Plug-in AC to DC power adapter provides 12VDC power up to 1.0A with center positive 2.1mm barrel connector</td>
<td></td>
</tr>
<tr>
<td>• Input 110-240VAC. cUL safety approved</td>
<td></td>
</tr>
</tbody>
</table>

<table>
<thead>
<tr>
<th>POW-12V-3A</th>
<th>12V DC 3 AMP Single Transformer</th>
</tr>
</thead>
<tbody>
<tr>
<td>• Plug-in AC to DC power adapter provides 12VDC power up to 3.0A with center positive 2.1mm barrel connector</td>
<td></td>
</tr>
<tr>
<td>• Input 110-240VAC. cUL safety approved</td>
<td></td>
</tr>
</tbody>
</table>

<table>
<thead>
<tr>
<th>NEW PRODUCT</th>
<th>UTP Video Transceiver</th>
</tr>
</thead>
<tbody>
<tr>
<td>• 1 CH Passive video transceiver</td>
<td></td>
</tr>
<tr>
<td>• Hi Performance Color Matched Video Balun for XVI, CVI, AHD, TVI &amp; Analog</td>
<td></td>
</tr>
<tr>
<td>• Resolution: 720P / 1080P / 2K / 4K</td>
<td></td>
</tr>
<tr>
<td>• Transmission Signal: HDCVI: 720P: 300m, 1080P: 250m, 4MP: 200m, 5MP: 150m, 8MP: 150m</td>
<td></td>
</tr>
<tr>
<td>• Category Type: UTP CAT5 / 5E / 6</td>
<td></td>
</tr>
<tr>
<td>• Operating Temperature: -35°C- 55°C / -31°F- 67°F</td>
<td></td>
</tr>
<tr>
<td>• Storage Temperature: -20°C- 70°C / -4°F- 94°F</td>
<td></td>
</tr>
</tbody>
</table>

<table>
<thead>
<tr>
<th>NEW PRODUCT</th>
<th>UTP Video Transceiver</th>
</tr>
</thead>
<tbody>
<tr>
<td>• 1 CH Passive video transceiver</td>
<td></td>
</tr>
<tr>
<td>• Full-motion CCTV video at distance up to 2000ft (600m)</td>
<td></td>
</tr>
<tr>
<td>• Male BNC allows connection directly to the camera or DVR</td>
<td></td>
</tr>
<tr>
<td>• Sold in pairs</td>
<td></td>
</tr>
</tbody>
</table>

<table>
<thead>
<tr>
<th>KBD-950NET</th>
<th>Network PTZ Controller</th>
</tr>
</thead>
<tbody>
<tr>
<td>• One keyboard can control multiple PTZ/DVRs</td>
<td></td>
</tr>
<tr>
<td>• Supports full PTZ menu operation</td>
<td></td>
</tr>
<tr>
<td>• Supports RS485 port and RS232 port</td>
<td></td>
</tr>
<tr>
<td>• 3D joystick control</td>
<td></td>
</tr>
<tr>
<td>• E Series DVR control</td>
<td></td>
</tr>
<tr>
<td>• Lock keyboard to prevent unauthorized use</td>
<td></td>
</tr>
<tr>
<td>• Supports multiple-level operation rights</td>
<td></td>
</tr>
<tr>
<td>• Sleek and stylish design</td>
<td></td>
</tr>
</tbody>
</table>

<table>
<thead>
<tr>
<th>HC6101-VS</th>
<th>VS Video Server</th>
</tr>
</thead>
<tbody>
<tr>
<td>• High performance DSP hardware compression</td>
<td></td>
</tr>
<tr>
<td>• H.264 video compression</td>
<td></td>
</tr>
<tr>
<td>• Dual streams</td>
<td></td>
</tr>
<tr>
<td>• Support variable bit rate and frame rate</td>
<td></td>
</tr>
<tr>
<td>• Embedded Linux OS</td>
<td></td>
</tr>
</tbody>
</table>

<table>
<thead>
<tr>
<th>IP-DEC-04 / IP-DEC-08</th>
<th>Spot Monitor Decoder</th>
</tr>
</thead>
<tbody>
<tr>
<td>This decoder can be used for remote view monitors for WatchNET NVRs.</td>
<td></td>
</tr>
<tr>
<td>• H.265/H.264 codec decoding</td>
<td></td>
</tr>
<tr>
<td>• Max 80Mbps Incoming Bandwidth</td>
<td></td>
</tr>
<tr>
<td>• Up to 8MP Resolution</td>
<td></td>
</tr>
<tr>
<td>• Up to 2ch@4K/8ch@1080P decoding</td>
<td></td>
</tr>
<tr>
<td>• HDMI/VGA simultaneous video output</td>
<td></td>
</tr>
<tr>
<td>• 4K Resolution</td>
<td></td>
</tr>
</tbody>
</table>

<table>
<thead>
<tr>
<th>WNTPS - 2</th>
<th>Time Synchronize Server</th>
</tr>
</thead>
<tbody>
<tr>
<td>• Ready-to-operate Secure Stratum 1 NTP Time Server</td>
<td></td>
</tr>
<tr>
<td>• Support for NTP and SNTP compatible clients</td>
<td></td>
</tr>
<tr>
<td>• Incorporates a GPS Computer Clock, tracks up to 12 satellites</td>
<td></td>
</tr>
<tr>
<td>• RJ-45 Ethernet interfaces 10/100 M Bit</td>
<td></td>
</tr>
<tr>
<td>• Includes GPS active antenna 10m (30ft)</td>
<td></td>
</tr>
<tr>
<td>• Includes power adapter</td>
<td></td>
</tr>
</tbody>
</table>

<table>
<thead>
<tr>
<th>MIC-DVR-A</th>
<th>Amplified DVR Microphone</th>
</tr>
</thead>
<tbody>
<tr>
<td>• Adjustable sensitivity</td>
<td></td>
</tr>
<tr>
<td>• Range up to 150 square meters</td>
<td></td>
</tr>
<tr>
<td>• Wall mountable</td>
<td></td>
</tr>
<tr>
<td>• Power supply: 6 ~ 12 VDC</td>
<td></td>
</tr>
<tr>
<td>• Dissipation circuit: 10mA</td>
<td></td>
</tr>
<tr>
<td>• Frequency response: 300 ~ 5500Hz</td>
<td></td>
</tr>
<tr>
<td>• Output signal</td>
<td></td>
</tr>
<tr>
<td>• Out impedance: 600 Ω</td>
<td></td>
</tr>
<tr>
<td>• Out level: 0 ~ 6V</td>
<td></td>
</tr>
</tbody>
</table>

<table>
<thead>
<tr>
<th>WT-GLI</th>
<th>Ground Loop Isolator</th>
</tr>
</thead>
<tbody>
<tr>
<td>• Built-in Video BALUN</td>
<td></td>
</tr>
<tr>
<td>• Perfect to work with DVR to reduce interferences from ground loops</td>
<td></td>
</tr>
</tbody>
</table>

---

info@watchnetinc.com  
WatchNET Providing Security Solutions Since 2000
Special Accessories

Two wire network extension over Coax or UTP

IPEXT-KIT includes:
- 1 set of Transmitter (IPEX-1T) & Receiver (IPEX-1R)
- 2 Power Supplies
- 2 sets of Mounting Brackets
- 2 Baluns (Converts Coax cable to UTP)
- Installation Manual

Features:
- IPEXT-KIT consists of two parts: Transmitter (IPEX-1T) and Receiver (IPEX-1R)
- IPEX-1T has one RJ45 input port and two output ports: BNC and RJ45, and one 12V DC port
- IPEX-1R has two input ports: BNC and RJ45, one RJ45 output port and one 12V DC port
- Adopt advanced transmission technology to transmit via:
  - Coax up to 1200m/3937ft
  - Ethernet Cable up to 700m/2296ft
  - Single twisted pair up to 700m/2296ft
- Ethernet delay less than 1ms; point to point
- Standard: IEEE802.3 10BASE-T, IEEE802.3u 100BASE-TX
- Protection: excellent circuit isolation protection, anti-static and anti-interference
- Meets MIT rack installation standard
- Working temperature: 0°C ~ 55°C / 32°F ~ 131°F
- Installation: Plug-and-play, no setting required

IP and POE over Coax Module (Pair)

IPPOECOAX-KIT includes:
- 1 set of Transmitter (SV) & Receiver (IPC)
- 2 sets of Mounting Brackets
- Installation Manual

Features:
- IPPOECOAX-KIT consists of two parts: Transmitter (SV) and Receiver (IPC)
- SV has one 48-57V DC port, one PoE input port and two output ports: BNC and RJ45
- Adopt advanced transmission technology to transmit via
  - EPOE Coax up to 500m/1640ft
  - EPOE Ethernet Cable up to 400m/1312ft
- Ethernet delay less than 1ms; point to point
- Standard: IEEE802.3 10BASE-T, IEEE802.3u 100BASE-TX, IEEE802.3af/a
- Protection: excellent circuit isolation protection, anti-static and anti-interference
- Meets MIT rack installation standard
- Working temperature: 0°C ~ 55°C / 32°F ~ 131°F
- Installation: Plug-and-play, no setting required
**Special Accessories**

**External input/output board for Embedded system**

**EMB-ALARM**

**Features:**
- Supports through RS485 access to the back-end storage
- Supports 16ch Alarm In / 6ch Alarm Out interface
- Supports 2-bit DIP switch (0/1) to determine the different alarm box access; Max support 4 alarm boxes having access to the back-end storage device
- Supports universal 12V power supply; Supports using a separate adapter or through 1 to 2 power cable using the DVR adapter to supply the alarm box with power
- The front panel has a power indicator (PWR) which maintains lightening when the device is powered up;
- The front panel has a signal communication indicator (ACT) which lights up every 1 second when the communication is established between the alarm box and DVR equipment
- Linked alarm can be configured on the alarm input and output interface when the communication is established between DVR device and the alarm box

**Technical Specifications:**

<table>
<thead>
<tr>
<th>Model</th>
<th>EMB-ALARM</th>
</tr>
</thead>
<tbody>
<tr>
<td>Communication</td>
<td>1 RS485 port</td>
</tr>
<tr>
<td>DIP Switch</td>
<td>2-bit</td>
</tr>
<tr>
<td>Alarm In</td>
<td>16ch</td>
</tr>
<tr>
<td>Alarm Out</td>
<td>6ch</td>
</tr>
<tr>
<td>Power Supply</td>
<td>12V/1A (Or use 1 to 2 power cable to use the DVR power)</td>
</tr>
<tr>
<td>Power Consumption</td>
<td>0.2W</td>
</tr>
<tr>
<td>Operating Temperature</td>
<td>-10°C ~ +55°C (+14°F ~ +131°F)</td>
</tr>
<tr>
<td>Operating Humidity</td>
<td>10%~ 90% RH</td>
</tr>
<tr>
<td>Dimensions</td>
<td>97.68mm×90.3mm×33mm (3.85&quot; x 3.56&quot; x 1.3&quot;)</td>
</tr>
<tr>
<td>Net Weigh</td>
<td>≤0.2kg (0.44lb)</td>
</tr>
<tr>
<td>Installation</td>
<td>Desktop installation</td>
</tr>
</tbody>
</table>

**Note:** This device works with new embedded system (After 2017 units) which has RS485 connection.

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**19"6U Rack Cabinet**

**Features:**
- Neat & Integrated design
- Standard 19" rack
- Support wall mount and plane mount
- The four sides(around) of the cabinet can be opened completely, convenient for construction, installation and future maintenance
- The unit is Wall mountable and easily accessible thanks to the rear hinge assembly
- Recorder mounting hardware included

**Applicable Accessory:**
19" Rack Mount Tray
RACKSHELF
Take your company to the next level with

NEW Exclusive Partner Program

Bidding & Consulting Support
Dedicated Dealer Portal
Lead Generation

Marketing Ventures
On-Site Project Support
Systems Engineering Support

Plus BEST warranty in the industry.
Call us or register online to enroll today.
WIN Partnership Benefits

**Preferred Partner**

- Increased margins
- Project registration discount
- Discount on demo equipment
- Pricelist updates

**Elite Partner**

- CAD drawing support
- A & E Specs
- Online system configuration
- System engineering support
- Project design & consultation

**WatchNET Training**

- WatchNET Access Partner Program (WAPP)
- WatchNET Master Certification
- Installation training
- Classroom and online training

**Technical Support**

- RMA requests online or via phone
- Warranty
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.
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Not all products in this catalogue are available in every region.

For PAL Cameras please add (-P) to the part number.

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