

# WatchNET®

Security Since 2000

## Fast Pack EVi-08KIT-21BIR

# XVI

MEGAPIXEL VIDEO  
HD over UTP / Coax

Kit Contains:  
1 – EVi-0821  
8 – XVI-21BIR  
1 – USB Mouse



- 8 Ch Embedded DVR with 2TB HDD plus 8 IR 2.1MP Bullet Camera
- HD Quality with Easy BNC Analog style Plug and Play
- Transmission over Twisted Pair (with Balun) or Coaxial Cable up to 1500 feet
- Free DDNS, CMS Software, User-Friendly GUI and Web Server
- 8 x Full HD 1080P 3.6mm Cameras with BNC Connector, Smart IR, OSD, IP66 & DC12V

Also Available  
with Dome Cameras



EVi-08KIT-21IRB



#### DVR Features:

##### 8 Channel HD Digital Video Recorder

- ❖ 8 Channel with 1080p realtime live view
- ❖ 4 Channel synchronous real-time playback
- ❖ H.264 dual-stream video compression
- ❖ 1080P or 720P recording on all channels
- ❖ Support 2 SATA HDD up to 8TB
- ❖ HDMI / VGA simultaneous video output
- ❖ Mouse controlled PTZ camera operation
- ❖ GRID interface & smart search
- ❖ Dual-core embedded processor
- ❖ Multiple network monitoring: Web, HD-CMS
- ❖ HD over UTP or Coax cable
- ❖ 3D intelligent positioning with WatchNET XVI PTZ dome camera

# HD

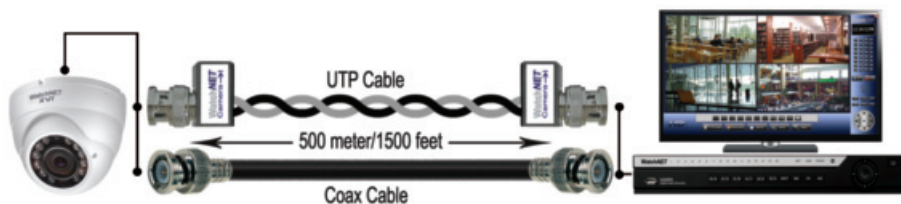
Video, PTZ Control & OSD  
in just one cable

#### Camera Features:

##### 1/3" 2.1 Megapixel HD CMOS image sensor

- ❖ IP66 Infrared housing
- ❖ DC12V (500mA)
- ❖ Resolution - 1920(H)×1080(V)  
1920×1080@25 fps
- ❖ Max. IR Distance: 20m Outdoor/30m Indoor
- ❖ 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: 3.6mm Fixed focus

Full HD  
1080p



| Model                              |                         | EVI-0821                                                                                                                                                              |
|------------------------------------|-------------------------|-----------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| <b>System</b>                      | Main Processor          | Dual-core embedded processor                                                                                                                                          |
|                                    | Operating System        | Enhanced Embedded LINUX OS                                                                                                                                            |
| <b>Video</b>                       | Input                   | 8 channel, BNC                                                                                                                                                        |
|                                    | Standard                | 1080P(25/30) / 720P(25/30,50/60)                                                                                                                                      |
| <b>Audio</b>                       | Input / Output          | 4 channel, BNC / 1 channel, BNC                                                                                                                                       |
|                                    | Two-way Audio           | Reuse audio input/output channel 1                                                                                                                                    |
| <b>Display</b>                     | Interface               | 1 HDMI, 1 VGA, 1BNC                                                                                                                                                   |
|                                    | Resolution              | 1920×1080, 1280×720                                                                                                                                                   |
|                                    | Display Split           | 1/4/8                                                                                                                                                                 |
|                                    | Privacy Masking         | 4 rectangular zones (each camera)                                                                                                                                     |
|                                    | OSD                     | Camera title, time, video loss, camera lock, motion detection, recording                                                                                              |
| <b>Recording</b>                   | Video/Audio Compression | H.264 / G.711                                                                                                                                                         |
|                                    | Image Resolution        | 1080P(1920×1080/1920×900)/(720P(1280×720/1280×600)/960H(960×576/960×480)/D1/4CIF(704×576/704×480)CIF(352×288/352×240)/QCIF(176×144/176×120)                           |
|                                    | Record Speed            | Main Stream: 1080P/720P/960H/D1/HD1/2CIF/CIF(1~25/30fps)<br>Extra Stream: CIF/QCIF(1~25/30fps)                                                                        |
|                                    | Bit Rate                | 48~8192Kb/s                                                                                                                                                           |
|                                    | Recording Mode          | Manual, Schedule, Regular (Continuous), MD, Alarm, Stop                                                                                                               |
|                                    | Recording Interval      | 1~120 min (default: 60 min),<br>Pre-record: 1~30 sec, Post-record: 10~300 sec                                                                                         |
| <b>Video Detection &amp; Alarm</b> | Trigger Events          | Recording, PTZ, Tour, Alarm, Video Push, Email, FTP, Spot, Buzzer & Screen tips                                                                                       |
|                                    | Video Detection         | Motion Detection, MD Zones: 396(22×18), Video Loss & Camera Blank                                                                                                     |
|                                    | Alarm Input             | 8 channel                                                                                                                                                             |
|                                    | Relay Output            | 3 channel                                                                                                                                                             |
| <b>Playback &amp; Backup</b>       | Sync Playback           | 1/4/8                                                                                                                                                                 |
|                                    | Search Mode             | Time/Date, MD & Exact search (accurate to second)                                                                                                                     |
|                                    | Playback Functions      | Play, Pause, Stop, Rewind, Fast play, Slow play, Next file, Previous file, Next camera, Previous camera, Full screen, Repeat, Shuffle, Backup selection, Digital zoom |
|                                    | Backup Mode             | USB Device / Network                                                                                                                                                  |
| <b>Network</b>                     | Ethernet                | RJ-45 port (10/100M/1000M)                                                                                                                                            |
|                                    | Network Functions       | HTTP, IPv4/IPv6, TCP/IP, UPNP, RTSP, UDP, SMTP, NTP, DHCP, DNS, PPPOE, DDNS, FTP, IP Filter                                                                           |
|                                    | Max. User Access        | 20 users                                                                                                                                                              |
| <b>Storage</b>                     | Smart Phone             | iPhone, iPad, Android                                                                                                                                                 |
|                                    | Internal HDD            | 2 SATA port, up to 8TB                                                                                                                                                |
| <b>Auxiliary Interface</b>         | USB Interface           | 2 ports(1 Rear), USB2.0                                                                                                                                               |
|                                    | RS232 / RS485           | 1 port, For PC communication & Keyboard / 1 port, For PTZ control                                                                                                     |
| <b>General</b>                     | Power Supply            | DC12V/5A                                                                                                                                                              |
|                                    | Power Consumption       | 15W(without HDD)                                                                                                                                                      |
|                                    | Working Environment     | -10°C ~ +55°C / -14°F ~ +131°F / 10 ~ 90%RH / 86 ~ 106kpa                                                                                                             |
|                                    | Dimension (W×D×H)       | 1U, 375mm×285mm×45mm / 14.7"×11.22"×1.77"                                                                                                                             |
|                                    | Weight                  | 2.35KG / 5.18Lb (without HDD)                                                                                                                                         |

| Model                    | XVI-21BIR                                                                                          |
|--------------------------|----------------------------------------------------------------------------------------------------|
| Image Sensor             | 1/3" 2.1 Megapixel HD CMOS image sensor                                                            |
| Effective Pixels         | 1920(H) x 1080(V)                                                                                  |
| Electronic Shutter       | 1/3s~1/100,000s                                                                                    |
| Mini. Illumination       | 0.05Lux@F1.2(0Lux IR LED on)                                                                       |
| OSD Menu                 | Support                                                                                            |
| Day/Night                | Auto(ICR) / B&W / Color                                                                            |
| Synchronization          | Internal                                                                                           |
| Noise Reduction          | 3D/2D                                                                                              |
| Max. IR LEDs Length      | 20M Outdoor / 30M Indoor                                                                           |
| <b>Lens</b>              |                                                                                                    |
| Focal Length             | Fixed 3.6mm                                                                                        |
| Mount Type               | M12                                                                                                |
| <b>Video</b>             |                                                                                                    |
| Video Output             | 1-channel BNC high definition video output / CVBS<br>Standard definition video output (Switchable) |
| Resolution               | 1920×1080@25 fps                                                                                   |
| <b>Environmental</b>     |                                                                                                    |
| Ingress Protection       | IP66                                                                                               |
| Power Supply             | DC12V±10% (500mA)                                                                                  |
| Power Consumption        | Max 3.5W                                                                                           |
| Transmission Distance    | Over 500m via 75Ω coaxial cable                                                                    |
| Operating Temp. Humidity | -35°C ~ +60°C / -31°F ~ +140°F, 10% ~ 90%                                                          |
| Dimension / Weight       | 113.6mm x 85.4mm / 4.47" x 3.36" / 300g / 0.661lb                                                  |

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