

# WatchNET®

Security Since 2000

## Fast Pack EVI-16KIT16-13IRB

# XVI

MEGAPIXEL VIDEO  
HD over UTP / Coax

Kit Contains:  
1 - EVI-1613  
16 - XVI-13IRB  
1 - USB Mouse



- 16 Ch Embedded DVR with 2TB HDD plus 16 IR 1.3MP Dome 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
- 16 x HD 720P 3.6mm Cameras with BNC Connector, Smart IR, OSD, IP66 & DC12V

Also Available  
with Bullet Cameras



EVI-16KIT16-13BIR



### DVR Features:

#### 16 Channel HD Digital Video Recorder

- ❖ 16 Channel with 1080p realtime live view
- ❖ 4 Channel synchronous real-time playback
- ❖ H.264 dual-stream video compression
- ❖ 720P recording on all channels
- ❖ Support 1 SATA HDD with up to 4TB
- ❖ 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:

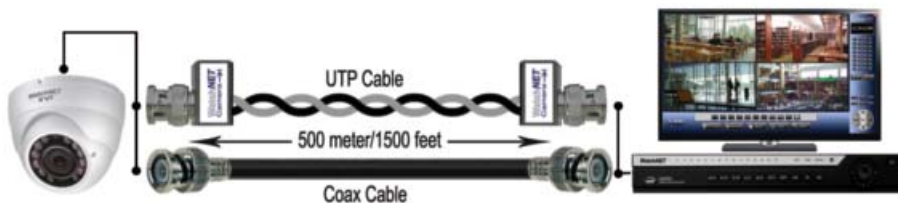
#### 1/3" 1.3 Megapixel HD CMOS image sensor

- ❖ IP66 Infrared housing
- ❖ DC12V (500mA)
- ❖ Resolution - 1280(H)×720(V)  
1280×720@25 fps
- ❖ Max. IR Distance: 20m Outdoor/30m Indoor
- ❖ High speed, long distance real-time transmission
- ❖ H.264 & MJPEG video compression & JPEG image capture
- ❖ 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



Back Box Available  
(BRACK-BALL-W-S)

HD  
720p



iPhone



Model	EVI-1613	
<b>System</b>	Main Processor	Dual-core embedded processor
	Operating System	Enhanced Embedded LINUX OS
<b>Video</b>	Input	16 channel, BNC
	Standard	1080P(25/30) / 720P(25/30,50/60)
<b>Audio</b>	Input / Output	1 channel, RCA / 1 channel, RCA
	Two-way Audio	Reuse audio input/output channel 1
<b>Display</b>	Interface	1 HDMI, 1 VGA
	Resolution	1920×1080, 1280×720
	Display Split	1/4/8/16
	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	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: 720P/960H/D1/HD1/2CIF/CIF(1~25/30fps) Extra Stream: CIF/QCIF(1~25/30fps)
	Bit Rate	48~6144Kb/s
	Recording Mode	Manual, Schedule, Regular (Continuous), MD, Alarm, Stop
	Recording Interval	1~120 min (default: 60 min), 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	16 channel
	Relay Output	3 channel
<b>Playback &amp; Backup</b>	Sync Playback	1/4/8/16
	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)
	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
<b>Auxiliary Interface</b>	Internal HDD	2 SATA port, up to 8TB
	USB Interface	2 ports(1 Rear), USB2.0
<b>General</b>	RS485	1 port, For PTZ control
	Power Supply	DC12V/2A
	Power Consumption	10W(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"×11.2"×1.7"
	Weight	2.35KG / 5.2Lb (without HDD)

Model	XVI-13IRB
Image Sensor	1/3" 1.3 Megapixel HD CMOS image sensor
Effective Pixels	1280(H) x 720(V)
Electronic Shutter	4/30~1/54,000s
Mini. Illumination	0.01Lux@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 Compression	H.264 / MJPEG
Video Output	1-channel BNC high definition video output / CVBS Standard definition video output (Switchable)
Resolution	1280×720@25 fps
Bit Rate	H.264: 32K ~ 8192Kbps, MJPEG: 32K ~ 12288Kbps
<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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**CANADA:**  
351 Ferrier Street, Unit 5  
Markham, ON L3R 5Z2  
Toll Free: 1-866-843-6865  
Tel: 416-410-6865  
Fax: 1-866-331-3341

**USA:**  
700 Ensminger Rd. Suite 104  
Tonawanda, NY 14150 USA  
Toll Free: 1-855-404-3193  
Local: 1-716-877-7277  
Fax: 1-866-331-3341

[info@watchnetinc.com](mailto:info@watchnetinc.com)  
[www.watchnetinc.com](http://www.watchnetinc.com)

**INDIA:**  
RZ- 2, Ground Floor  
Kapashera  
Opp Kapashera Police Station  
New Delhi-110037  
Tel/Fax: + 91 11 26816005  
Mobile: + 91 9654297002

**UAE:**  
P O Box 126312  
No 703, Oxford Towers  
Business Bay  
Dubai, UAE  
Tel: + 971 4 2767117  
Mobile: + 971 50 5869290