

# WatchNET®

Security Since 2000

## Fast Pack EVI-08KIT6-50IRBT

# XVI

ENHANCED CVI  
MegaPixel over UTP/Coax

Penta-Brid  
Recorder



PNT-0880

Kit Contains:  
1 - PNT-0880  
6 - XVI-50IRBT  
1 - USB Mouse

# 4K



- 8 Ch Penta-Brid DVR with 1TB HDD plus X6 5MP IR Turret Camera
- HD Quality with Easy BNC Analog style Plug and Play
- Transmission over Twisted Pair (with Balun) or Coaxial Cable
- Free DDNS, VMS Software, User-Friendly GUI and Web Server
- 6 x 5MP 2.8mm Cameras with BNC Connector, Smart IR, OSD, IP67 & DC12V



### DVR Features:

#### 8 Channel Penta-Brid Digital Video Recorder

- Embedded LINUX OS
  - H.265+/H.265 dual-stream video compression
  - 5MP XVI Camera support all channels @20fps maximum
  - Supports 4K(8MP) using XVI cameras on all inputs up to 7fps max
  - Penta-Brid supports (HDCVI/XVI, TVI, AHD, CVBS, IP)
  - Support additional channels using IP Cameras:  
8CH DVR + 4 extra IP channels = Total of 12 channels
  - Support 1 SATA HDD up to 10TB capacity
  - Multiple network monitoring:  
Web viewer, HD VMS & Mobile phone viewer
  - 3D intelligent positioning with WatchNET  
PTZ dome camera
  - Supports multiple analytic functions.
- For more information call us to better suit your needs.

### Camera Features:

#### 5MP IR Turret Camera

- 1/2.7" 5MP HD CMOS image sensor
- HD and SD dual-output
- 20fps@5MP, 25/30fps@4MP, 25/30fps@1080P
- HD and SD dual-output
- D-WDR, Day/Night(ICR), AWB, AGC, BLC, 2DNR
- 2.8mm fixed lens
- Max. IR LEDs length 50m/164feet, Smart IR
- IP67, DC12V
- CVI Compatible Camera



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iPhone



Model	PNT-0880	
<b>System</b>	Main Processor	Dual-core embedded processor
	Operating System	Enhanced Embedded LINUX OS
<b>Audio</b>	Input / Output	1/1
	Two-way Audio	Reuse audio In/Out, RCA
<b>Display</b>	Interface	1 HDMI ,1 VGA
	Resolution	<b>HDMI:</b> 3840×2160, 2560×1440, 1920×1080, 1280×1024, 1280×720 <b>VGA:</b> 1920×1080, 1280×1024, 1280×720
	Multi-screen Display	When IP extension mode not enabled: 1/4/8/9 When IP extension mode enabled: 1/4/8/9/16
	OSD	Camera title, time, video loss, camera lock, motion detection, recording
	Compression	H.265+/H.265/H.264+/H.264
<b>Recording</b>	Image Resolution	4K(8MP), 6MP, 5MP, 4MP, 3MP, 4M-N, 1080P, 720P, 960H, D1, CIF
	Record Speed	<b>Main Stream:</b> 4K(1~7fps); 6MP(1~10fps); 5MP(1~12fps); 4MP/3MP(1~15fps); 4M-N/1080P/720P/960H/D1/CIF(1~25/30fps) <b>Sub stream:</b> 960H(1~15fps); D1/CIF(1~25/30fps)
	Bit Rate	32Kbps ~ 6144Kbps Per Channel
	Recording Mode	Manual, Schedule (Regular, Continuous), MD (Video detection: Motion Detection, Video Loss, Tampering), Alarm, Stop
	Recording Interval	1 ~ 60 min (default: 60 min), Pre-record: 1 ~ 30 sec, Post-record: 10 ~ 300 sec
	<b>Video Detection &amp; Alarm</b>	Trigger Events
Video Detection		Motion Detection, MD Zones: 396 (22 × 18), Video Loss and Camera Blank
Alarm Input		N/A
Relay Output		N/A
<b>Playback &amp; Backup</b>	Playback	1/4/9
	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>	Interface	1 RJ-45 Port (1000M)
	Network Functions	HTTP, TCP/IP, IPv4/IPv6, UPnP, RTSP, UDP, SMTP, NTP, DHCP, DNS, IP Filter, PPPoE, DDNS, FTP, Alarm Server, IP Search (Support WatchNET IP camera, DVR, NVS, etc.)
	Max. User Access	128 users
	Smart Phone	iPhone, iPad, Android
<b>Storage</b>	Internal HDD	Support 1 SATA HDD up to 10TB each
<b>Auxiliary Interface</b>	USB Interface	2 USB Ports (1 USB 2.0, 1 USB 3.0)
	RS232 / RS485	N/A / 1 Port, for PTZ Control
<b>General</b>	Power Supply	DC12V/4A
	Power Consumption	<10W (Without HDD)
	Working Environment	-10°C ~ +55°C (+14°F ~ +131°F), 86 ~ 106kpa
	Dimension (W×D×H)	Mini 1U, 375mm×285mm×45mm/14.7"×11.22"×1.77"
	Net/Gross Weight	2.35kg (5.2 lb) (without HDD) / 3.2kg (7.05 lb)

Model	XVI-50IRBT
Image Sensor	1/2.7" 5MP HD CMOS image sensor
Effective Pixels	2592(H)×1944(V), 5MP
Electronic Shutter	PAL: 1/25~1/100000s / NTSC: 1/30~1/100000s
Min. Illumination	0.02Lux/F1.85, 30IRE, 0Lux IR on
OSD Menu	Multi-language
Day/Night	Auto (ICR) / Manual
BLC Mode	BLC / HLC / D-WDR
Noise Reduction	2D
Max. IR LEDs Length	50m/164feet, Smart IR
<b>Lens</b>	
Focal Length	Fixed 2.8mm
Mount Type	Board-in
<b>Video</b>	
Video Output	1-channel BNC high definition video output / CVBS video output (Can switch)
Video Frame Rate	20fps@5MP, 25/30fps@4MP, 25/30fps@1080P
<b>Environmental</b>	
Ingress Protection	IP67
Power Supply	DC12V±30%
Power Consumption	Max 3.1W
Transmission Distance	Up to 700m for 5MP HD video via coaxial cable, and up to 300m via UTP cable
Operating Temp. Humidity	-40°C ~ +60°C / -40°F ~ +140°F, Less than 95% RH
Dimension / Weight / Material	106mm × 93.7mm / 4.17" × 3.70" / 0.45kg / 0.99lb / Aluminum

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