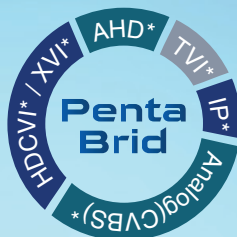


BMP Series
XVI ENHANCED CVI
 MegaPixel over UTP/Coax



PNT-1680



16 Channel 8MP Mini 1U DVR



Features:

- ❖ Mini 1U Penta-Brid Embedded LINUX processor
- ❖ Supports additional channels using IP Cameras:
16CH DVR + 8 extra IP channels = Total of 24 channels
- ❖ Supports 4K(8MP) using XVI cameras on all inputs up to 7fps max
- ❖ H.265+/H.265 dual-stream video compression
- ❖ Max IP Camera camera resolution up to 8MP;
Max 96Mbps incoming Bandwidth
- ❖ Penta-Brid supports (HDCVI/XVI, TVI, AHD, CVBS, IP)*
- ❖ 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.

4K



FREE Multisite VMS Software
 Download it from www.watchnetinc.com



4 / 8 / 16 Channel
 Fast Pack KITs Available



iPhone



Model	PNT-1680	
System	Main Processor	Embedded Processor
	Operating System	Embedded LINUX
Video and Audio	Analog Camera Input	16 Channel, BNC
	HDCVI Camera	4K(8MP), 6MP, 4MP, 1080P@25/30fps, 720P@50/60fps, 720P@25/30fps
	AHD Camera	5MP, 4MP, 3MP, 1080P@25/30, 720P@25/30fps
	TVI Camera	5MP, 4MP, 3MP, 1080P@25/30, 720P@25/30fps
	CVBS Camera	PAL/NTSC
	IP Camera Input	16+8=24 Channel, each channel up to 8MP
	Audio In/Out	1/1, RCA
	Two-way Talk	Reuse audio in/out, RCA
Recording	Compression	H.265+/H.265/H.264+/H.264
	Resolution	4K, 6MP, 5MP, 4MP, 3MP, 4M-N, 1080P, 720P, 960H, D1, CIF
	Record Rate	Main stream: 4K(1~7fps); 6MP(1~10fps); 5MP(1~12fps); 4MP/3MP(1~15fps); 4M-N/1080P/720P/960H/D1/CIF(1~25/30fps) Sub stream: 960H(1~15fps); D1/CIF(1~25/30fps)
	Bit Rate	32Kbps ~ 6144Kbps Per Channel
	Record Mode	Manual, Schedule (General, Continuous), MD (Video detection: Motion Detection, Video Loss, Tampering), Alarm, Stop
	Record Interval	1 ~ 60 min (default: 60 min), Pre-record: 1 ~ 30 sec, Post-record: 10 ~ 300 sec
	Audio Compression	AAC(only for the 1st channel), G.711A, G.711U, PCM
	Audio Sample Rate	8KHz, 16 bit Per Channel
Audio Bit Rate	64Kbps Per Channel	
Display	Interface	1 HDMI ,1 VGA
	Resolution	HDMI: 3840×2160, 2560×1440, 1920×1080, 1280×1024, 1280×720 VGA: 1920×1080, 1280×1024, 1280×720
	Multi-screen Display	When IP extension mode not enabled: 1/4/8/9/16 Display When IP extension mode enabled: 1/4/8/9/16/25
	OSD	Camera title, Time, Video loss, Camera lock, Motion detection, Recording
Network	Interface	1 RJ-45 Port (1000M)
	Network Function	HTTP, HTTPS, TCP/IP, IPv4/IPv6, Wi-Fi, 3G/4G, SNMP, UPnP, RTSP, UDP, SMTP, NTP, DHCP, DNS, IP Filter, PPPoE, DDNS, FTP, Alarm Server, P2P, IP Search (Supports WatchNET IP camera, DVR, NVS, etc.)
	Max. User Access	128 users
	Smart Phone	iPhone, iPad, Android
	Interoperability	ONVIF 16.12, CGI Conformant

Video Detection and Alarm	Trigger Events	Recording, PTZ, Tour, Video Push, Email, FTP, Snapshot, Buzzer and Screen Tips
	Video Detection	Motion Detection, MD Zones: 396 (22 × 18), Video Loss, Tampering and Diagnosis
	Alarm input	N/A
Playback and Backup	Relay Output	N/A
	Playback	1/4/9/16
	Search Mode	Time /Date, Alarm, MD and Exact Search (accurate to second)
	Playback Function	Play, Pause, Stop, Rewind, Fast play, Slow Play, Next File, Previous File, Next Camera, Previous Camera, Full Screen, Repeat, Shuffle, Backup Selection, Digital Zoom
Storage	Backup Mode	USB Device/Network
	Internal HDD	1 SATA Ports, up to 10TB
Auxiliary Interface	eSATA	N/A
	USB	2 USB Ports (1 USB 2.0, 1 USB 3.0)
	RS232	N/A
Electrical	RS485	1 Port, for PTZ Control
	Power Supply	DC12V/3A
Construction	Power Consumption	<20W (Without HDD)
	Dimensions	1U, 375mm×285mm×45mm 14.7"×11.22"×1.77"
	Net Weight	2.35KG / 5.18Lb (without HDD)
Environmental	Installation	Desktop installation
	Operating Conditions	-10°C ~ +55°C (+14°F ~ +131°F), 10%~ 90% RH
	Storage Conditions	-20°C ~ +70°C (-4°F ~ +158°F), 0~ 90% RH

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

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info@watchnetinc.com
www.watchnetinc.com

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

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