



4K



PNT-0880AI / PNT-1680AI

8/16 Channel Penta-brid 4K 1U Digital Video Recorder



Features:

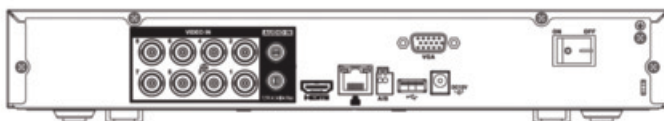
- 1U Penta-Brid Embedded LINUX processor
- H.265+/H.265 dual-stream video compression
- Supports HDCVI/AHD/TVI/CVBS/IP video inputs
- Supports 8BNC+8IP/16BNC+16IP, each channel up to 8MP input
- Max 64/128Mbps incoming bandwidth
- POS functionalities
- **AI Features:** Fenced Area Protection and Smart Detection Classification
- 2 SATA Ports, up to 10TB capacity for each disk
- 2 USB Ports (1 USB 2.0, 1 USB 3.0)
- Built-in web server & Multifunction VMS
- AI Support **ONLY** on BNC inputs, **NOT** on IP Channel



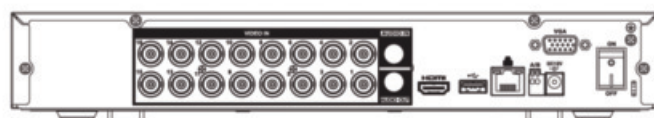
iPhone



PNT-0880AI



PNT-1680AI



Model	PNT-0880AI / PNT-1680AI	
System	Main Processor	Embedded Processor
	Operating System	Embedded LINUX
Fenced Area Protection	Protection	<ol style="list-style-type: none"> AI by DVR: Detection alarm for human and vehicle. Filter misinformation such as leaves and light Function configuration: Set at most 10 rules such as area intrusion and Line Crossing, intrusion Performance: 2 channels
	Live View	<ol style="list-style-type: none"> Rule box inspection: Configure the rule box and object inspection box Smart panel: Display object classification (human, vehicle), event types, triggering time, image matting and object types. Attribute is not supported Counting: Count people. Count motor vehicles Support exporting of associated event playback before and after 10 seconds
	Playback	<ol style="list-style-type: none"> Search conditions: According to channels, time, event types and target types Functions: Support search of associated event playback or snapshot before and after 10 seconds Snapshot capacity: 500,000
SDC	Smart Detection Classification	<ol style="list-style-type: none"> AI by DVR: Smart Detection Classification for human and vehicle. Filter misinformation such as leaves and light Performance: 8/16 channels, AI by DVR
	Preview	Preview: Configure and inspect detection box
	Playback	<ol style="list-style-type: none"> Playback: Search videos through channels, time and target types. Functions: Support search of associated event playback before and after 10 seconds
Video and Audio	Analog Camera Input	16 Channel, BNC
	HDCVI Camera	4K, 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	8CH: 8+8 Channel, each channel up to 8MP 16CH: 16+16 Channel, each channel up to 8MP
	Audio In/Out	4/1, 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, QCIF
	Record Rate	Main stream: 4K(1~7fps); 6MP(1~10fps); 5MP(1~12fps); 4MP/3MP(1~15fps); 4M-N/1080P/720P/960H/D1/CIF/QCIF (1~25/30fps) Sub stream: 960H(1~15fps);D1/CIF/QCIF(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: 8CH: 1/4/8/9 / 16CH: 1/4/8/9/16 When IP extension mode enabled: 8CH: 1/4/8/9/16 / 16CH: 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, UPnP, RTSP, UDP, SMTP, NTP, DHCP, DNS, IP Filter, PPPoE, DDNS, FTP, Alarm Server, P2P, IP Search (Supports WatchNET IP camera, DVR, NVS)
	Max. User Access	128 users
	Smart Phone	iPhone, iPad, Android
Video Detection and Alarm	Interoperability	ONVIF 16.12, CGI Conformant
	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	8/16
Playback and Backup	Relay Output	3
	Playback	8CH: 1/4/9 16CH: 1/4/9/1
	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	2 SATA Ports, up to 10TB capacity for each disk
	eSATA	N/A
Auxiliary Interface	USB	2 USB Ports (1 USB 2.0, 1 USB 3.0)
	RS232	N/A
	RS485	1 Port, for PTZ Control
Electrical	Power Supply	8CH: DC12V/4A / 16CH: DC12V/5A
	Power Consumption	8CH: <10W (Without HDD) 16CH: <15W (Without HDD)
Construction	Dimensions	1U, 375mm×287mm×53mm (14.8" x 11.3" x 2.1")
	Net Weight	1.8kg (3.70 lb) (without HDD)
	Gross Weight	3.2kg (7.05lb)
Environmental	Installation	Desktop installation
	Operating Conditions	-10°C ~ +55°C (+14°F ~ +131°F), 0~ 90% RH
	Storage Conditions	-20°C ~ +70°C (-4°F ~ +158°F) , 0~ 90% RH

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