



PNT-32EXAIR2

32 Channel Penta-Brid 4K 2U Digital Video Recorderer



Features:

- 32 CH 4K 2U Embedded LINUX processor
- H.265+/H.265 dual-stream video compression
- Penta-Brid Supports HDCVI/XVI/AHD/TVI/CVBS/IP video inputs
- Max 32 channels IP/HD Analog camera inputs, each channel up to 12MP; Max 128 Mbps incoming bandwidth
- 8 SATA Ports, up to 10TB capacity for each disk
- IoT & POS functionalities



AI Functions:

(Supported only on BNC inputs), 2.1MP or higher camera recommended

Fenced Area Protection:

- Up to 6 channels video stream fenced area protection (Analog channels only), 10 IVS for each channel
- Human/Vehicle secondary recognition for line crossing and intrusion
- AI Search by target classification (Human, Vehicle)

Face Recognition:

- Up to 6 channels video stream human face recognition (Analog channels only), max 12 face pictures/sec processing
- Detect strangers' faces (not in device's face database)
- Up to 8 target face images search at same time, similarity threshold can be set for each target face image
- Up to 10 face databases with 20,000 face images in total Name, gender, birthday, address, certificate type, certificate No., countries & regions and state can be added to each face picture
- Buzzer, Voice Prompts, Email, Snapshot, Recording, Alarm Out, PTZ Activation, etc.

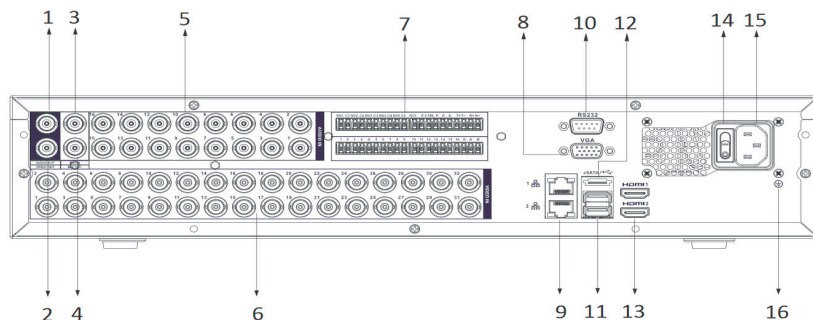
AI Motion Detection:

- Up to 32 channels video stream motion detection (Analog channels only)
- AI Search by target classification (Human, Vehicle)



FREE Multisite VMS software
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Back Panel



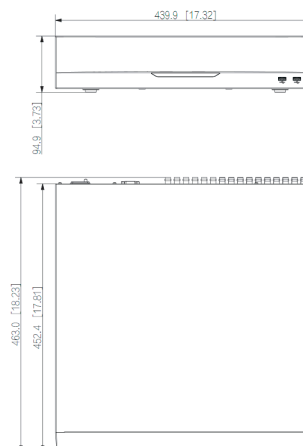
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|-----------------------|------------------|
| 1. Audio Out | 9. Network Ports |
| 2. Video Out | 10. RS232 Port |
| 3. Mic In | 11. USB Ports |
| 4. Mic Out | 12. eSATA Port |
| 5. Audio In | 13. HDMI Ports |
| 6. Video In | 14. Power Switch |
| 7. Alarm Input/Output | 15. Power Input |
| 8. VGA Port | 16. Ground |



Model	PNT-32EXAIR2	
System	Main Processor	Embedded Processor
	Operating System	Embedded LINUX
Fenced Area Protection	Performance	6 channels, 10 IVS for each channel Only Analog Cameras Supported
	Object classification	Human/Vehicle secondary recognition for line crossing and intrusion
	AI Search	Search by target classification (Human, Vehicle)
Face Recognition	Performance	6 channels, max 12 face pictures/sec processing Only Analog Cameras Supported
	Stranger Mode	Detect strangers' faces (Not in device's face database) Similarity threshold can be set manually
	AI Search	Up to 8 target face images search at same time, similarity threshold can be set for each target face image
	Database Management	Up to 10 face databases with 20,000 face images in total. Name, gender, birthday, address, certificate type, certificate No., countries & regions and state can be added to each face picture
	Database Application	Each database can be applied to video channels independently
	Trigger Events	Buzzer, Voice Prompts, Email, Snapshot, Recording, Alarm Out, PTZ Activation, etc.
AI Motion	Performance	32 channels Only Analog Cameras Supported
	AI Search	Search by target classification (Human, Vehicle)
Video and Audio	Analog Camera Input	32 channels, BNC
	HDCVI Camera Input	4K, 6MP, 5MP, 4MP, 1080P@25/30fps, 720P@50/60fps, 720P@25/30fps
	AHD Camera Input	4K, 5MP, 4MP, 3MP, 1080P@25/30fps, 720P@25/30fps
	TVI Camera Input	4K, 5MP, 4MP, 3MP, 1080P@25/30fps, 720P@25/30fps
	CVBS Camera Input	PAL/NTSC
	IP Camera Input	32 channels, each channel up to 12MP
	Audio In/Out	16/1, BNC
	Two-way Talk	1 Mic In, 1 Mic Out, BNC
Recording	Compression	AI Coding/H.265+/H.265/H.264+/H.264
	Resolution	4K, 6MP, 5MP, 4K-N, 4MP, 3MP, 4M-N, 1080P, 720P, 960H, D1, CIF
	Record Rate	Main stream: All channel 4K(1fps-7fps); 6MP(1fps-10fps); 5MP(1fps-12fps); 4K-N, 4MP/3MP(1fps-15fps); 4M-N/1080P/720P/960H/D1/CIF (1fps-25/30fps); Sub stream: 960H(1fps-15fps); D1/CIF(1fps-25/30fps)
	Bit Rate	32 Kbps-6144 Kbps 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 s - 30 s, Post-record: 10 s-300 s
	Audio Compression	G.711A, G.711U, PCM
	Audio Sample Rate	8 KHz, 16 bit Per Channel
	Audio Bit Rate	64 Kbps Per Channel

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Display	Interface	2 HDMI, 1 VGA, 1 TV
	Resolution	HDMI: 3840x2160, 1920x1080, 1280x1024, 1280x720 VGA: 1920x1080, 1280x1024, 1280x720
	Multi-screen Display	1/4/8/9/16/25/36
	OSD	Camera title, Time, Video loss, Camera lock, Motion detection, Recording
Network	Interface	2 RJ-45 Ports (1000 Mbps)
	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, 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 x 18), Video Loss, Tampering and Diagnosis
	Alarm Input	16
	Relay Output	6
Playback and Backup	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
	Backup Mode	USB Device/Network
Storage	Internal HDD	8 SATA Ports, up to 10TB capacity for each disk
	eSATA	1 Port
Auxiliary Interface	USB	4 USB Ports (2 USB 2.0, 2 USB 3.0)
	RS485	1 Port, for PTZ Control
	RS232	1 Port, For PC Communication & Keyboard
Electrical	Power Supply	AC100V-240V, 50/60Hz
	Power Consumption	<30W (Without HDD)
Construction	Dimensions	2U, 440mm x 463mm x 95mm (17.32" x 18.23" x 3.73")
	Net Weight	7.0kg (15.5lb) (without HDD)
	Gross Weight	9.6kg (21.1lb)
	Installation	Desktop/Rack mounted
Environmental	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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Sept. 06, 2022

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