



# 4K



## PNT-0880AILR3



### 8CH Penta-brid Mini 1U 1HDD DVR



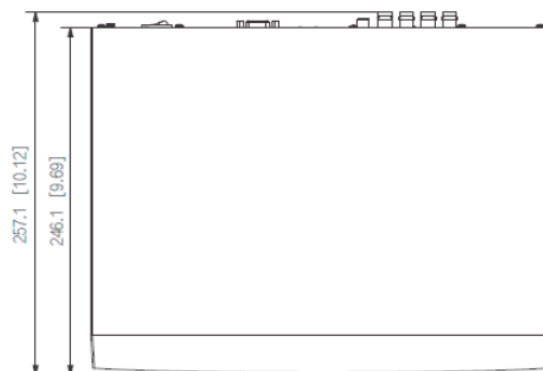
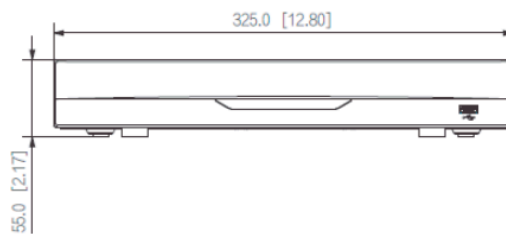
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### Key Features:

- H.265+/H.265 dual-stream video compression.
- Supports Full-channel AI Coding.
- Supports HDCVI/AHD/TVI/CVBS/IP video inputs.
- Max 16 channels IP camera inputs, each channel up to 8MP; Max 128 Mbps incoming bandwidth.
- Up to 8 channels video stream (analog channel) Perimeter Protection.
- Up to 8 channels video stream (analog channel) SMD Plus.
- Up to 2 channels video stream (analog channel) human face recognition.
- IoT & POS functionalities.



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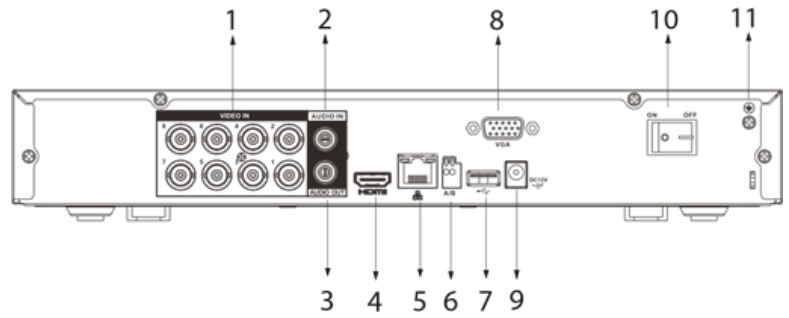


<b>System</b>		PNT-0880AILR3
	Main Processor	Industrial-grade processor
	Operating System	Embedded Linux
	Operating Interface	Web; Local GUI
<b>Perimeter Protection</b>	Perimeter Performance AI by Recorder (Number of Channels)	Advanced Model: 2 channels, 10 IVS for each channel General Model: 8 channels, 10 IVS for each channel
<b>Face Detection</b>	Face Attributes	Gender; age group; glasses; expressions; face mask; beard
	Face Detection Performance of AI by Recorder (Number of Channels)	2 channels (up to 12 face images/s each channel )
<b>Face Recognition</b>	Face Database Capacity	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 image
	Face Recognition Performance of AI by Recorder (Number of Channels)	2 channels
<b>SMD Plus</b>	SMD Plus by Recorder	8 channels: Secondary filtering for human and motor vehicle , reducing false alarms caused by leaves, rain and lighting condition change
<b>Audio and Video</b>	Analog Camera Input	8 BNC ports, supports HDCVI/AHD/TVI/CVBS auto detect
	Camera Input	1. CVI: 4K@25/30 fps; 6 MP@20 fps; 5 MP@20 fps; 5 MP@25 fps; 4 MP@25/30 fps; 1080p@25/30 fps; 720p@25/30 fps; 720p@50/60 fps.2. TVI: 4K@15 fps; 5 MP@20 fps; 4 MP@25/30 fps; 3 MP@25/30 fps; 1080p@25/30 fps; 720p@25/30 fps.3. AHD: 4K@15 fps; 5 MP@20 fps; 4 MP@25/30 fps; 3 MP@25/30 fps; 1080p@25/30 fps; 720p@25/30 fps
	IP Camera Input	Up to 16 channels of IPC access 8 IP channels by default + 8 channels (analog channels are converted to IP channels) incoming bandwidth: 128 Mbps, recording bandwidth: 128 Mbps and outgoing bandwidth: 128 Mbps *After IP channels are added beyond the existing channels, the AI Function (IVS, SMD, FACE) will be disabled.
	Encoding Capacity	Main stream: 4K@(1fps-7fps); 6 MP@(1fps-10fps); 5 MP@(1fps-12fps); 4K-N, 4 MP, 3 MP@(1fps-15fps); 4M-N, 1080p, 720p, 960H, D1,CIF@(1fps-25/30fps); Sub stream: 960H@(1fps-15fps); D1/CIF@(1 fps 25/30fps)

<b>Audio and Video</b>	Dual-stream	Yes
	Video Bit Rate	32 kbps-6144 kbps
	Audio Sampling	8 kHz, 16 bit
	Audio Bit Rate	64 kbps
	Video Output	1 HDMI, 1 VGA HDMI: 3840 × 2160, 1920 × 1080, 1280 × 1024, 1280 × 720 VGA: 1920 × 1080, 1280 × 1024, 1280 × 720 *Simultaneous/heterogeneous video sources output for VGA and HDMI is configurable.
<b>Compression Standard</b>	Multi-screen Display	When IP extension mode not enabled: 1/4/8/9 When IP extension mode enabled: 1/4/8/9/16
	Third-party Camera Access	ONVIF; Panasonic; Sony; Axis; Arecont; Samsung
	Video Compression	AI Coding; Smart H.265+; H.265; Smart H.264+; H.264
<b>Network</b>	Audio Compression	G.711a; G.711u; PCM
	Network Protocol	HTTP; HTTPS; TCP/IP; IPv4; RTSP; UDP; SMTP; NTP; DHCP; DNS; DDNS; P2P
	Mobile Phone Access	IOS; Android
	Interoperability	ONVIF 22.12(Profile T; Profile S; Profile G); CGI; SDK
	Browser	Chrome, IE9 or later, Firefox
<b>Recording Playback</b>	Network Mode	Single-address mode
	Record Mode	General, motion detection; intelligent; alarm; POS
	Recording Playback	1/4/9
	Backup Method	USB device and network
<b>Alarm</b>	Browser	Chrome, IE9 or later, Firefox
	Playback Mode	Instant playback, general playback, event playback, tag playback, smart playback (face and motion detection)
	General Alarm	Motion detection, video loss, tampering
	Anomaly Alarm	No disk; storage error; disk full; camera offline; IP conflict; MAC conflict
<b>Ports</b>	Intelligent Alarm	Face detection; face recognition; perimeter protection
	Alarm Linkage	Record; snapshot (panoramic); IPC external alarm output; access controller; voice prompt; buzzer; log; preset; email
	Audio Input	1-channel RCA 8-channel BNC (Coaxial Audio)
	Audio Output	1-channel RCA
	Two-way Talk	Yes (share the same audio input with the first channel)
	HDD Interface	1 SATA port, up to 16TB capacity for each disk. The maximum HDD capacity varies with environment temperature.
RS-485	1 port, for PTZ control	
USB	2 (1 front USB 2.0 port, 1 rear USB 3.0 port)	

<b>Ports</b>	HDMI	1
	VGA	1
	Network Port	1 (10/100/1000 Mbps Ethernet port, RJ-45)
<b>General</b>	Power Supply	DC 12V, 2A
	Power Consumption	<10 W (without HDD)
	Net Weight	1.20 kg (2.65 lb)
	Gross Weight	1.40 kg (3.09 lb)
	Product Dimensions	325.0 mm × 257.1 mm × 55.0 mm (12.80" × 10.12" × 2.17") (W × D × H)
	Packaging Dimensions	372.0 mm × 117.0 mm × 308.0 mm (14.65" × 4.61" × 12.13") (W × D × H)
	Operating Temperature	-10 °C to +55 °C (14 °F to +131 °F)
	Operating Humidity	10%–90% (RH)
	Installation	Rack or desktop
Certifications	CE: CE-LVD: EN 60950-1/IEC 60950-1 CE-EMC: EN 61000-3-2, EN 61000-3-3, EN 55032, EN 50130, EN 55024 FCC: Part 15 Subpart B	

## Back Panel:



- |                            |                           |
|----------------------------|---------------------------|
| 1 VIDEO IN                 | 2 AUDIO IN, RCA Connector |
| 3 AUDIO OUT, RCA Connector | 4 HDMI Port               |
| 5 Network Port             | 6 RS-485 Port             |
| 7 USB Port                 | 8 VGA Port                |
| 9 Power Input              | 10 Power Switch           |
| 11 Ground                  |                           |

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