

PT-NRAS2A16-K2 Aisense Network Video Recorder

Key Feature

- Up to 16-ch IP camera inputs
- H.265+/H.265/H.264+/H.264 video formats
- Up to 2-ch@12 MP or 3-ch@8 MP or 6-ch@4 MP or 12-ch@1080p decoding capacity
- Up to 160 Mbps incoming bandwidth
- Adopt PRAMA Aisense technology to minimize manual effort and security costs





Smart Function

- All channels support intelligent learning based Motion Detection
- 1-ch facial recognition for video stream, or 4-ch facial recognition for face picture
- Smart search for the selected area in the video, and smart playback to improve the playback efficiency

Professional and Reliability

- H.265+ compression effectively reduces the storage space by up to 75%
- Adopt stream over TLS encryption technology which provides more secure stream transmission service

HD Video Output

- Provide independent HDMI and VGA outputs
- HDMI video output at up to 4K resolution

Storage and Playback

- Up to 2 SATA interfaces for HDD connection (up to 10 TB capacity per HDD)
- 16-ch synchronous playback

Network & Ethernet Access

- 1 self-adaptive 10/100/1000 Mbps Ethernet interface
- PRAMA ONLINE for easy network management



Specification

Facial Recognition				
Facial Detection and Analytics	Face picture comparison, human face capture, face picture search			
Face Picture Library	Up to 16 face picture libraries, with up to 20,000 face pictures in total (each picture \le 4 MB, total capacity \le 1 GB)			
Facial Detection and Analytics Performance	1-ch human face capture			
Face Picture Comparison	4-ch face picture comparison alarm			
Motion Detection				
Human/Vehicle Analysis	16-ch			
Video and Audio				
IP Video Input	16-ch			
Incoming Bandwidth	160 Mbps			
Outgoing Bandwidth	160 Mbps			
HDMI Output	1-ch, 4K (3840 × 2160)/30 Hz, 2K (2560 × 1440)/60 Hz, 1920 × 1080/60 Hz, 1600 × 1200/60 Hz, 1280 × 1024/60 Hz, 1280 × 720/60 Hz, 1024 × 768/60 Hz			
VGA Output	1-ch, 1920 × 1080/60 Hz, 1280 × 1024/60 Hz, 1280 × 720/60 Hz			
Video Output Mode	HDMI/VGA independent output			
CVBS Output	N/A			
Audio Output	1-ch, RCA (2.0 Vp-p, 1 KΩ, using the audio input)			
Two-Way Audio	1-ch, RCA (Linear, 1 KΩ)			
Decoding				
Decoding Format	H.265/H.265+/H.264+/H.264			
Recording Resolution	12 MP/8 MP/6 MP/5 MP/4 MP/3 MP/1080p/UXGA/720p/VGA/4CIF/DCIF/2CIF/CIF/QCIF			
Synchronous playback	16-ch			
Decoding Capability	Al on: 1-ch@12 MP (30 fps)/2-ch@8 MP (30 fps)/4-ch@4 MP (30 fps)/8-ch@1080p (30 fps) Al off: 2-ch@12 MP (30 fps)/3-ch@8 MP (30 fps)/6-ch@4 MP (30 fps)/12-ch@1080p (30 fps)			
Stream Type	Video, Video & Audio			
Audio Compression	G.711ulaw/G.711alaw/G.722/G.726/AAC			
Network				
Remote Connection	128			
Network Protocol	TCP/IP, DHCP, IPv4, IPv6, DNS, DDNS, NTP, RTSP, SADP, SMTP, SNMP, NFS, iSCSI, SISTP, UPnP™, HTTP, HTTPS			
Network Interface	1 RJ-45 10/100/1000 Mbps self-adaptive Ethernet interface			

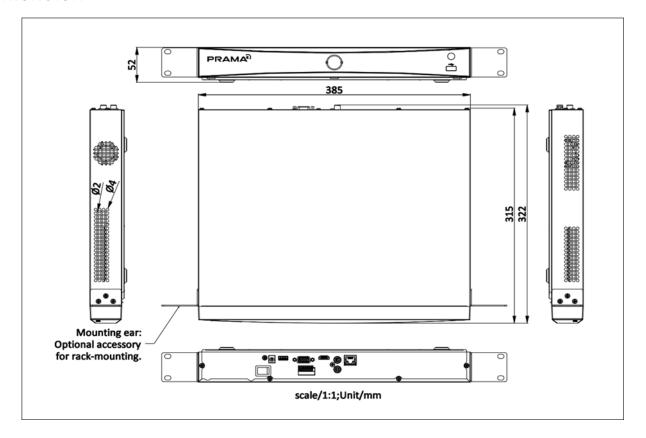


Auxiliary Interface				
SATA	2 SATA interfaces			
Capacity	Up to 10 TB capacity for each HDD			
USB Interface	Front panel: 1 × USB 2.0; Rear panel: 1 × USB 2.0			
Alarm In/Out	4/1			
General				
Power Supply	12 VDC, 3.3 A			
Consumption	≤ 15 W (without HDD)			
Working Temperature	-10 °C to 55 °C (14 °F to 131 °F)			
Working Humidity	10% to 90%			
Dimension (W × D × H)	385 mm × 315 mm × 52 mm (15.2"× 12.4" × 2.0")			
Weight	≤ 1 kg (without HDD, 2.2 lb.)			

^{*}Specifications are subject to change without prior notice. *Product picture may differ from the actual.

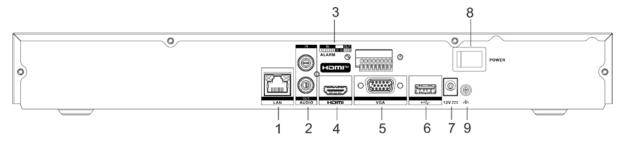
Note: Facial recognition and intelligent learning based motion detection cannot be enabled at the same time

Dimension





Physical Interface



No.	Description	No.	Description
1	LAN network interface	6	USB interface
2	AUDIO IN and AUDIO OUT	7	Power supply
3	ALARM IN and ALARM OUT	8	Power switch
4	HDMI interface	9	GND
5	VGA interface		

Available Model

PT-NRAS2A16-K2