

PT-DRAS2A00U-K2 SERIES

HD-TVI AI Sense DVR

Key Feature

- Intelligent algorithm-based motion detection for all analog channels
- Intelligent algorithm-based perimeter protection
- H.265 Pro+/H.265 Pro/H.265/H.264+/H.264 video compression
- HDTVI/AHD/CVI/CVBS/IP video inputs
- Audio via coaxial cable
- Up to 8/16/32-ch IP camera inputs (up to 8 MP)
- Up to 10 TB capacity per HDD



Compression and Recording

- H.265 Pro+ video compression improves encoding efficiency, and reduces data storage costs
- Recording at up to 8 MP resolution

Storage and Playback

- 2 SATA interfaces
- Smart search for efficient playback
- Support the third party cloud storage

Smart Function

- Intelligent algorithm-based motion detection, and perimeter protection (line crossing and intrusion detection)
- Support multiple VCA (Video Content Analytics) events for both analog and smart IP cameras

Network & Ethernet Access

- Compatible with major Wi-Fi dongle products in the market
- PRAMA-ONLINE & DDNS (Dynamic Domain Name System) for easy network management
- Output bandwidth limit configurable

Specification

Model	PT-DRAS2A04U-K2		PT-DRAS2A08U-K2	PT-DRAS2A16U-K2
Motion Detection				
Human/Vehicle Analysis	Intelligent algorithm-based motion detection is enabled by default for all analog channels, it can classify human and vehicle, and extremely reduce false alarms caused by objects like leaves and lights; Quick search by object or event type is supported;			
Perimeter Protection				
Human/Vehicle Analysis	Up to 4-ch			
Recording				
Video compression	H.265 Pro+/H.265 Pro/H.265/H.264+/H.264			
Encoding resolution	Main stream: 8 MP@8 fps/5 MP@12 fps/3K@12 fps/4 MP@15 fps/8 MP Lite@15 fps/3 MP@18 fps 1080p/720p/WD1/4CIF/VGA/CIF@25 fps (P)/30 fps (N) *: 8 MP@8 fps is only available for channel 1, 8 MP Lite is only available for channel 2 to channel 4.		Main stream: 8 MP@8 fps/5 MP@12 fps/3K@12 fps/4 MP@15 fps/3 MP@18 fps 1080p/720p/WD1/4CIF/VGA/CIF@25 fps (P)/30 fps (N)	
	Sub-stream: WD1/4CIF/CIF@25 fps (P)/30 fps (N)			
Video bit rate	32 Kbps to 10 Mbps			
Dual stream	Support			
Stream type	Video, Video & Audio			
Audio compression	G.711u			
Audio bit rate	64 Kbps			
Video and Audio				
IP video input ²	2-ch (up to 6-ch)	4-ch (up to 12-ch)	8-ch (up to 24-ch)	
	Enhanced IP mode on: 4-ch (up to 8-ch), each up to 4 Mbps	Enhanced IP mode on: 8-ch (up to 16-ch), each up to 4 Mbps	Enhanced IP mode on: 16-ch (up to 32-ch), each up to 4 Mbps	
	Up to 8 MP resolution Support H.265+/H.265/H.264+/H.264 IP cameras			
Analog video input	4-ch	8-ch	16-ch	
	BNC interface (1.0 Vp-p, 75 Ω), supporting coaxitron connection			
HDTVI input	8 MP@15 fps, 5 MP@20 fps, 3K@20 fps, 4 MP@30 fps, 4 MP@25 fps, 3 MP@18 fps, 1080p@30 fps, 1080p@25 fps, 720p@60 fps, 720p@50 fps, 720p@30 fps, 720p@25 fps	8 MP@15 fps, 5 MP@20 fps, 3K@20 fps, 4 MP@30 fps, 4 MP@25 fps, 3 MP@18 fps, 1080p@30 fps, 1080p@25 fps, 720p@60 fps, 720p@50 fps, 720p@30 fps, 720p@25 fps		
AHD input	5 MP@20 fps, 4 MP@30 fps, 1080p@25 fps, 1080p@30 fps, 720p@25 fps, 720p@30 fps			
HDCVI input	4 MP@30 fps, 4 MP@25 fps, 1080p@25 fps, 1080p@30 fps, 720p@25 fps, 720p@30 fps			
CVBS input	PAL/NTSC			
CVBS output	1-ch, BNC (1.0 Vp-p, 75 Ω), resolution: PAL: 704 × 576, NTSC: 704 × 480			
VGA output	1-ch, 1920 × 1080/60Hz, 1280 × 1024/60Hz, 1280 × 720/60Hz HDMI/VGA simultaneous output			

HDMI output	1-ch, 2K (2560 × 1440)/60Hz, 1920 × 1080/60Hz, 1280 × 1024/60Hz, 1280 × 720/60Hz, HDMI/VGA simultaneous output	1-ch, 4K (3840 × 2160)/30Hz, 2K (2560 × 1440)/60Hz, 1920 × 1080/60Hz, 1280 × 1024/60Hz, 1280 × 720/60Hz, HDMI/VGA simultaneous output	
Audio input ³	1-ch (up to 4-ch is optional), RCA (2.0 Vp-p, 1 KΩ)	1-ch (up to 8-ch is optional), RCA (2.0 Vp-p, 1 KΩ)	1-ch (up to 16-ch is optional), RCA (2.0 Vp-p, 1 KΩ)
	4-ch via coaxial cable	8-ch via coaxial cable	16-ch via coaxial cable
Audio output	1-ch, RCA (Linear, 1 KΩ)		
Two-way audio	1-ch, RCA (2.0 Vp-p, 1 KΩ) (using the audio input)		
Synchronous playback	4-ch	8-ch	16-ch
Network			
Remote connection	32	64	128
Network protocol	TCP/IP, PPPoE, DHCP, DNS, DDNS, NTP, SADP, NFS, iSCSI, UPnP™, HTTPS		
Network interface	1, RJ45 10/100 Mbps self-adaptive Ethernet interface	1, RJ45 10/100/1000 Mbps self-adaptive Ethernet interface	
Wi-Fi	Connectable to Wi-Fi network by Wi-Fi dongle through USB interface		
Auxiliary interface			
SATA	2 SATA interfaces		
Capacity	Up to 10 TB capacity for each disk		
Serial interface	RS-485 (half-duplex)		
USB interface	Front panel: 1 × USB 2.0 Rear panel: 1 × USB 2.0	Front panel: 1 × USB 2.0 Rear panel: 1 × USB 3.0	
Alarm in/out ³	N/A (optional to support)		
General			
Power supply	12 VDC, 2.3 A	12 VDC, 2.8 A	12 VDC, 5 A
Consumption (without HDD)	≤ 10 W	≤ 15 W	≤ 19 W
Working temperature	-10 °C to +55 °C (+14 °F to +131 °F)		
Working humidity	10% to 90%		

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

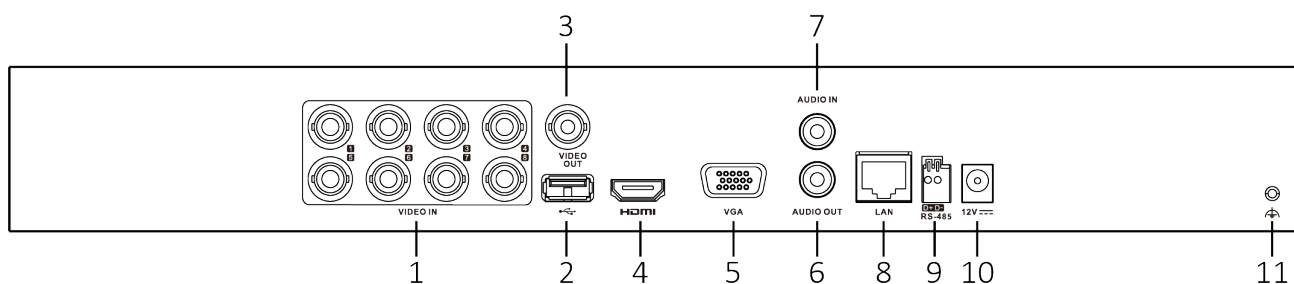
Note:

1: Motion detection and perimeter protection cannot be enabled at the same time. Enable one function will make the other one unavailable.

2: Enhanced IP mode might be conflicted with smart events (face picture comparison, motion detection 2.0 and perimeter protection) or other functions, please refer to the user manual for details.

3: The number of audio inputs and alarm in/out can be optional. The tag on the package will describe audio input and alarm in/out parameters. For example, "4A+8/4ALM" means your device has 4 audio inputs, 8 alarm inputs and 4 alarm outputs. If your device only has 1 audio input, the tag may not describe it.

Physical Interface



*: The rear panel of PT-DRAS2A04U-K2 and PT-DRAS2A16U-K2 provide 4 or 16 video input interfaces.

No.	Description	No.	Description
1	VIDEO IN	7	AUDIO IN, RCA connector
2	USB interface	8	LAN network interface
3	VIDEO OUT	9	RS-485 serial interface
4	HDMI interface	10	12 VDC power input
5	VGA interface	11	GND
6	AUDIO OUT, RCA connector		

Available Model

PT-DRAS2A04U-K2, PT-DRAS2A08U-K2, PT-DRAS2A16U-K2