

# UN-7216HI-16P

DVR HD H.265 Pro+

## Key Features

- Support H.265 Pro+/H.265 Pro/H.265 video compression
- Support HDTVI/AHD/CVI/CVBS/IP video input
- Max. 24 IP cameras input (up to 6 MP)
- Max. 800 m for 1080p and 1200 m for 720p HDTVI signal transmission
- Up to 10 TB capacity per HDD
- Provide power supply to PoC cameras over coaxial cable



## Compression and Recording

- H.265 Pro+ can be enabled to improve encoding efficiency and reduce data storage costs
- Full channel recording at up to 4 MP lite resolution

## Storage and Playback

- two SATA interfaces for UN-7216HI-16P
- Smart search for efficient playback
- Support the third party cloud storage (Dropbox/Google Drive/Microsoft OneDrive)

## Smart Function

- Support multiple VCA (Video Content Analytics) events for both analog and smart IP cameras
- Support 4-ch line crossing detection and intrusion detection; UN-7216HI-16P supports 1-ch sudden scene change detection

## Network & Ethernet Access

- U Center & DDNS (Dynamic Domain Name System) for easy network management
- Max. 96 Mbps incoming bandwidth and output bandwidth limit configurable

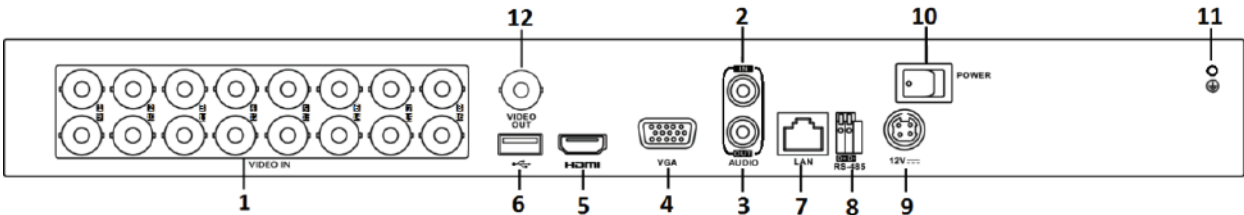


## Specifications

Model	UN-7216HI-16P
Recording	
Video compression	H.265 Pro+/H.265 Pro/H.265/H.264+/H.264
Encoding resolution	When 1080p lite mode is not enabled: 4 MP lite/3 MP/1080p/720p/VGA/WD1/4CIF/CIF When 1080p Lite mode is enabled: 4 MP lite/3 MP/1080p lite/720p lite/VGA/WD1/4CIF/CIF
Frame rate	Main stream: When 1080p Lite mode not enabled: For 4 MP stream access: 4 MP lite@15fps; 1080p lite/720p/WD1/4CIF/VGA/CIF@25fps (P)/30fps (N) For 3 MP stream access: 3 MP/1080p/720p/VGA/WD1/4CIF/CIF@15fps For 1080p stream access: 1080p/720p @15fps; VGA/WD1/4CIF/CIF@25fps (P)/30fps (N) For 720p stream access: 720p/VGA/WD1/4CIF/CIF@25fps (P)/30fps (N) When 1080p Lite mode enabled: 4 MP lite/3 MP@15fps; 1080p lite/720p lite/VGA/WD1/4CIF/CIF@25fps (P)/30fps (N) Sub-stream: WD1/4CIF@12fps; CIF@25fps (P)/30fps (N)
Video bit rate	32 Kbps to 6 Mbps
Dual stream	Support
Stream type	Video, Video & Audio
Audio compression	G.711u
Audio bit rate	64 Kbps
Video and Audio	
IP video input	8-ch (up to 24-ch)
	Up to 6 MP resolution
	Support H.265+/H.265/H.264+/H.264 IP cameras
Analog video input	16-ch
	BNC interface (1.0 Vp-p, 75 Ω), supporting coaxitron connection
PoC camera input	Support United PoC camera *: <b>PoC access capability see Appendix.</b>
HDTVI input	4 MP, 3 MP, 1080p30, 1080p25, 720p60, 720p50, 720p30, 720p25 *: <b>channel 1/2/3/4 of UN-7216HI-16P</b>
AHD input	4 MP, 1080p25, 1080p30, 720p25, 720p30
HDCVI input	1080p25, 1080p30, 720p25, 720p30
CVBS input	PAL/NTSC
CVBS output	1-ch, BNC (1.0 Vp-p, 75 Ω), resolution: PAL: 704 × 576, NTSC: 704 × 480

HDMI/VGA output	1-ch, 1920 × 1080/60Hz, 1280 × 1024/60Hz, 1280 × 720/60Hz, 1024 × 768/60Hz		VGA: 1-ch, 1920 × 1080/60Hz, 1280 × 1024/60Hz, 1280 × 720/60Hz, 1024 × 768/60Hz
			HDMI: 1-ch, 4K (3840 × 2160)/30Hz, 2K (2560 × 1440)/60Hz, 1920 × 1080/60Hz, 1280 × 1024/60Hz, 1280 × 720/60Hz, 1024 × 768/60Hz
Audio input	1-ch, RCA (2.0 Vp-p, 1 KΩ)		
Audio output	1-ch, RCA (Linear, 1 KΩ)		
Two-way audio	1-ch, RCA (2.0 Vp-p, 1 KΩ) (using the first audio input)		
Synchronous playback	4-ch	8-ch	16-ch
Network			
Remote connections	32	64	128
Network protocols	TCP/IP, PPPoE, DHCP, U-Center , DNS, DDNS, NTP, SADP, NFS, iSCSI, UPnP™, HTTPS		
Network interface	1, RJ45 10M/100M self-adaptive Ethernet interface		1, RJ45 10M/100M/1000M self-adaptive Ethernet interface
Auxiliary interface			
SATA	1 SATA interface	2 SATA interfaces	
Capacity	Up to 10 TB capacity for each disk		
Serial interface	RS-485 (half-duplex)		
USB interface	2 × USB 2.0		Front panel: 1 × USB 2.0 Rear panel: 1 × USB 3.0
Alarm in/out	N/A		
General			
Power supply	48 VDC		
Consumption (without HDD)	≤ 40 W	≤ 60 W	≤ 120 W
Working temperature	-10 °C to +55 °C (+14 °F to +131 °F)		
Working humidity	10% to 90%		
Dimensions (W × D × H)	315 × 242 × 45 mm (12.4 × 9.5 × 1.8 inch)	380 × 320 × 48 mm (15.0 × 12.6 × 1.9 inch)	
Weights (without HDD)	≤ 1.16 kg (2.6 lb)	≤ 1.78 kg (3.9 lb)	≤ 2 kg (4.4 lb)

Physical Interfaces



\*: The rear panel of UN-7216HI-16P provides 16 video input interfaces.

No.	Description	No.	Description
1	VIDEO IN	7	LAN Network Interface
2	AUDIO IN, RCA Connector	8	RS-485 Serial Interface
3	AUDIO OUT, RCA Connector	9	Power Input
4	VGA Interface	10	Power Switch
5	HDMI Interface	11	GND
6	USB Interface	12	VIDEO OUT

Appendix

AT/AF Mode

With reference to PoE standards, United has introduced AT and AF mode for PoC to distinguish the power level of PoC cameras: the max. Operating power of AT and AF are 12 W and 6 W respectively. These two modes are not related to IEEE 802.3 IP standard.

PoC Access Capability

PoC Device	Allowed AT/AF Camera Access
4-ch PoC device	4 AT cameras
8-ch PoC device	8 AT cameras
16-ch PoC device	8 AT cameras + 8 AF cameras Or up to 12 AT cameras

16-ch PoC device is connected to 8 AT cameras through 8 random channels rather than fixed ones. The access scenarios of a 16-ch PoC device are listed in the table below:

AT camera access	12	11	10	9	8	N (0 to 7)
AF camera access	0	2	4	6	8	16-N

