HiLook

DVR-216U-M2
16-ch 5 MP 1U H.265 DVR

Key Feature

- Deep learning based human and vehicle targets classification of Motion Detection 2.0
- 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 24-ch IP camera inputs (up to 8 MP)

Smart Function

- Deep learning based human and vehicle targets classification of Motion Detection 2.0

Compression and Recording

- H.265 Pro+ video compression improves encoding efficiency, and reduces data storage costs

Storage and Playback

- 2 SATA interfaces (up to 10 TB capacity per HDD)
- Smart search for efficient playback

Network & Ethernet Access

- Compatible with major Wi-Fi dongle products in the market
- HiLookVision & DDNS (Dynamic Domain Name System) for easy network management
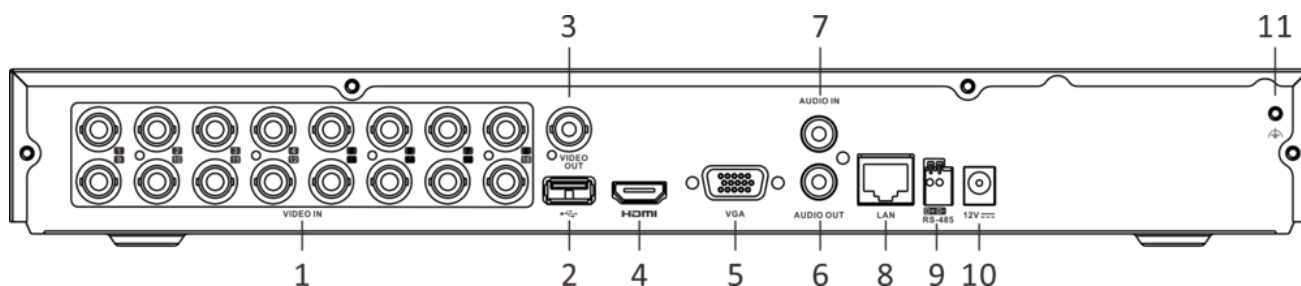
▪ Specification

Motion Detection 2.0	
Human/Vehicle Analysis	Deep learning-based motion detection 2.0 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;

Recording	
Video Compression	H.265 Pro+/H.265 Pro/H.265/H.264+/H.264
Encoding Resolution	5 MP/3K/4 MP/3 MP/1080p/720p/WD1/4CIF/VGA/CIF
Frame Rate	Main stream: 3K@12 fps/5 MP@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) Sub-stream: WD1/4CIF/CIF@25 fps (P)/30 fps (N)
Video Bitrate	32 Kbps to 10 Mbps
Dual-stream	Support
Stream Type	Video, Video & Audio
Audio Compression	G.711u
Audio Bitrate	64 Kbps

Video and Audio	
IP Video Input	8-ch (up to 24-ch) 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	16-ch BNC interface (1.0 Vp-p, 75 Ω), supporting coaxitron connection
HDTVI Input	3K@20 fps, 5 MP@20 fps, 5 MP@12 fps, 4 MP@30 fps, 4 MP@25 fps, 3 MP@18 fps,1080p@30 fps, 1080p@25 fps,720p@30 fps, 720p@25 fps
AHD Input	5 MP@20 fps, 5 MP@12 fps, 4 MP@30 fps, 4 MP@25 fps, 1080p@30 fps, 1080p@25 fps, 720p@30 fps, 720p@25 fps
HDCVI Input	5 MP@20 fps, 4 MP@30 fps, 4 MP@25 fps, 1080p@30 fps, 1080p@25 fps, 720p@30 fps, 720p@25 fps
CVBS Input	PAL/NTSC

HDMI Output	1-ch, 4K (3840 × 2160)/30Hz, 2K (2560 × 1440)/60Hz, 1920 × 1080/60Hz, 1280 × 1024/60Hz, 1280 × 720/60Hz
VGA Output	1-ch, 1920 × 1080/60Hz, 1280 × 1024/60Hz, 1280 × 720/60Hz
Video Output Mode	HDMI/VGA simultaneous output
Audio Input	1-ch, RCA (2.0 Vp-p, 1 KΩ) 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	16-ch
Network	
Total Bandwidth	128 Mbps
Remote Connection	128
Network Protocol	TCP/IP, PPPoE, DHCP, HiLookVision, DNS, DDNS, NTP, SADP, NFS, iSCSI, UPnP™, HTTPS, ONVIF
Network 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
USB Interface	Front panel: 1 × USB 2.0 Rear panel: 1 × USB 3.0
General	
Power Supply	12 VDC, 5 A
Consumption	≤ 25 W (without HDD)
Working Temperature	-10 °C to +55 °C (+14 °F to +131 °F)
Working Humidity	10% to 90%
Dimension (W × D × H)	380 × 320 × 48 mm (15.0 × 12.6 × 1.9 inch)
Weight	≤ 2 kg (without HDD, 4.4 lb.)

Note:

Enhanced IP mode might be conflicted with smart events (motion detection 2.0) or other functions, please refer to the user manual for details.

Physical Interface

No.	Description	No.	Description
1	Video and coaxial audio 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

DVR-216U-M2