



HDVR84K-Q1-AI

4K HD 8 CHANNEL DVR



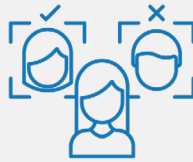
Perimeter Protection

Combine Tripwire & Intrusion with object detection (people or vehicles) for advanced motion detection.



ID+

Advanced motion detection that filters out false alarms and only triggers with people or vehicles.



Face Recognition

Detect & Recognize faces that are and are not (stranger mode) in a database. Pair with Access Control.



AI Search

Advanced smart search feature that searches by people and vehicles, with additional filters such as color, model, etc.



4K Over Coax

Record up to 8 channels at 4K video resolutions and H.265 / AI Coding for video compression.

PERIMETER PROTECTION

Combine multiple tripwire and intrusion IVS rules with object (people or vehicle) detection to enable advanced motion detection alarms and alerts. Ideal for crosswalks, parking lots, communities, lawns, schools, and more.

ID+

Intelligent Motion Detection Plus, or ID+, is an upgraded version of ID that greatly improves the alarm accuracy only triggering motion detect when people or vehicles are detected, filtering out tree movement, lighting changing, and more.

REAL TIME FACE RECOGNITION

The HDVR84K-Q2AI comes fully equipped with advanced facial attributes analysis. Identify, capture and record people based on gender, age, expression, glasses, mustache, face mask. With real time facial feature filtering, you can display faces with targeted features.

SMART H.265+

Smart H.265+ is the optimized implementation of the H.265 codec that uses a scene-adaptive encoding strategy, dynamic GOP, dynamic ROI, flexible multi-frame reference structure and intelligent noise reduction to deliver high-quality video without straining the network. Smart H.265+ technology reduces bit rate and storage requirements by up to 70% when compared to standard H.265 video compression.

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AI SMART SEARCH

Advanced AI Smart Search allows the user to perform searches by either people or vehicle (or both), and to add additional filters such as vehicle type or color, shirt color, gender, and more.

SYSTEM	
Main Processor	Embedded Processor
Operating System	Embedded Linux

PERIMETER PROTECTION	
Perimeter Performance AI by Recorder	2 channels

FACE DETECTION	
Face Attributes	6 attributes: Gender, age groups (6), glasses, expressions (8), face mask, beard, with up to four detection panels displayed at the same time.
Face Detection Performance of AI by Recorder	2 channels, and a single channel can detect up to 12 faces.

FACE RECOGNITION	
Face Database Capacity	Up to 10 face databases and 20,000 pictures.
Face Recognition Performance of AI by Recorder	2 channels

ID+	
ID+ by Recorder	Full-channel ID+ (AI by recorder), secondary filtering for human and motor vehicle ID+, reducing false alarms caused by leaves, rain and lighting condition change

COMPRESSION STANDARD	
Video Compression	AI Coding / H.265+ / H.265 / H.264+ / H.264
Audio Compression	G.711A / G.711u / PCM

AUDIO AND VIDEO	
Analog Camera Input	8 channels, BNC: adaptive access by default; HDCVI, AHD, TVI and CVBS access can be configured.

AUDIO AND VIDEO	
Analog Camera Input	8 channels, BNC: adaptive access by default; HDCVI, AHD, TVI and CVBS access can be configured.
Camera Input	1. CVI: 4K, 6MP, 5MP, 4MP, 1080p @ 25 / 30 fps, 720p @ 50 / 60 fps, 720p @ 25 / 30 fps. 2. TVI: 4K, 5MP, 4MP, 3MP, 1080p @ 25 / 30, 720p @ 25 / 30 fps. 3. AHD: 4K, 5MP, 4MP, 3MP, 1080p @ 25 / 30, 720p @ 25 / 30 fps.
IP Camera Input	8+8 channels, each channel up to 8MP *After IP channels are added beyond the existing channels, the AI Function (IVS, ID+, FACE) will be disabled.
Encoding Capacity	All channel 4K (1 fps-7 fps); 6MP (1 fps-10 fps); 5MP (1 fps-12 fps); 4K-N, 4MP / 3MP (1 fps-15 fps); 4M-N / 1080p / 720p / 960H / D1 / CIF (1 fps-25 / 30 fps);
Dual-Stream	Supported (960H (1 fps-15 fps); D1 / CIF (1 fps-25 / 30 fps)).
Video Frame Rate	PAL: 1 fps-25 fps. NTSC: 1 fps-30 fps.
Video Bit Rate	32 Kbps-6144 Kbps Per Channel
Audio Sampling	8 KHz, 16 bit Per Channel
Audio Bit Rate	64 Kbps Per Channel
Bit Rate Type	Video Stream and Composite Stream.
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.
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, RTSP, Panasonic, Sony, Axis, Arecont, Pelco, Canon, Samsung



PRODUCT SPECIFICATIONS CONT.

NETWORK	
Network Protocol	HTTP, HTTPS, TCP/IP, IPv4, RTSP, UDP, SMTP, NTP, DHCP, DNS, DDNS, P2P
Mobile Phone Access	iPhone, iPad, Android
Interoperability	ONVIF 16.12, CGI Conformant
Browser	Chrome, IE9 or above, Firefox
Network Mode	Single-address mode

RECORDING PLAYBACK	
Record Mode	Manual, Schedule (General, Continuous), MD (Video detection: Motion Detection, Video Loss, Tampering), Alarm, Stop
Recording Playback	1 / 4 / 09
Backup Method	USB Device / Network
Playback Mode	Instant playback, general playback, event playback, tag playback, smart playback (face and motion detection)

ALARM	
General Alarm	Motion detection, Video Loss, tampering, and local alarm
Anomaly Alarm	No disk, disk error, low space, offline, ip conflict, MAC conflict
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

PORTS	
Audio Input	1, RCA (external) 8, BNC (coaxial)
Audio Output	1, RCA
Two-way Talk	Yes (share the same audio input with the first channel)
HDD Interface	1 SATA Port, up to 16TB for a single HDD, the maximum HDD capacity varies with environment temperature
RS-485	1 Port, for PTZ Control
USB	2 USB Ports (1 USB 2.0, 1 USB 3.0)
HDMI	1
VGA	1
Network Port	1 (10 / 100 / 1000 Mbps Ethernet port, RJ-45)

GENERAL	
Power Supply	DC12V, 2A
Power Consumption	Lower than 10 W
Net Weight	2.65 lb
Gross Weight	4.19 lb
Product Dimensions	Mini 1U, 12.80" x 10.10" x 2.17" (W x D x H)
Packaging Dimensions	14.65" x 4.61" x 12.13" (L x W x H)
Operating Temperature	+14 °F to +131 °F
Operating Humidity	10%–90%
Installation	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

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ADDITIONAL PRODUCTS



OPTIVIEW'S VIDEO MONITORING SOFTWARE
Remote Monitoring



SURVEILLANCE DRIVES
4TB / 8TB / 10TB



HDCB4K-28A
4K Wide Angle HD-Over-Coax Bullet Camera

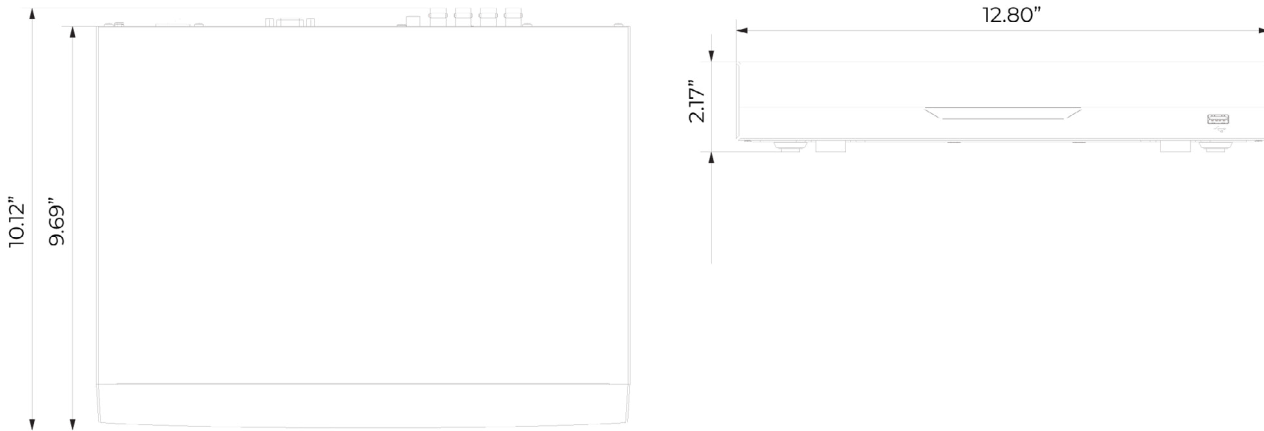


HDCD4K-28A
4K HD-CVI Wide Angle Armor Ball Camera

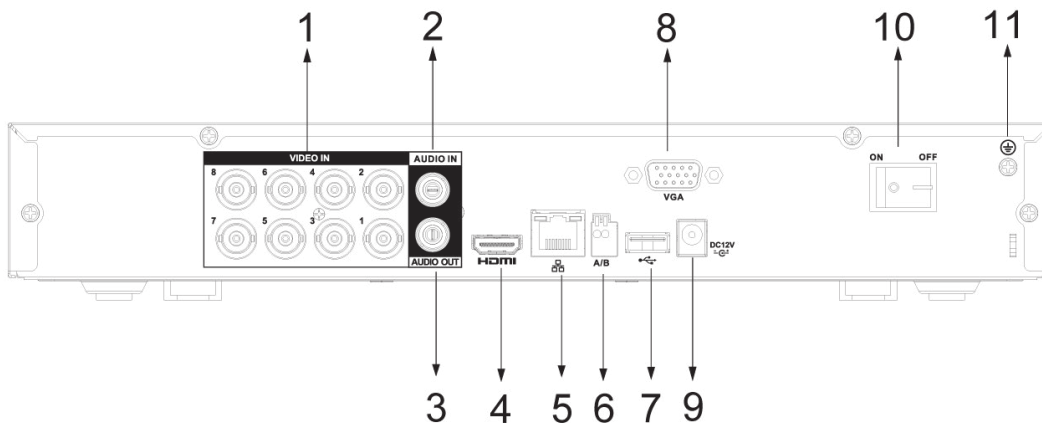


HDPTZ4M-30S
4MP HD-over-Coax PTZ Camera with 30X Zoom

DIMENSIONS



BACKPLATE



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