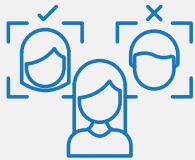




HDVR84K-Q2AI

8 Channel 5-Way 4K 1U DVR with Analytics



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.



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.



Audio over Coax

This integrated design helps reduce wiring troubles translating to lower costs

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.

SMART H.265+

Reduce bit rate and storage requirements by up to 80% when compared to standard H.265 (up to 90% vs H.264), allowing video to be stored for longer periods of time.

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.

FACE DATABASE MANAGEMENT

With access to configurable, multiple databases, this powerful face database can be applied to video channels independently. Name, gender, birthday, nationality, address, ID information can be added to each face picture.

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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.

IOT FUNCTIONALITY

HDCVI IoT can achieve multi-dimensional surveillance by integrating sensors with monitoring video, which not only generates reports for analysis but can also prevent risks in advance.

COMMON/STRANGER MODE

The HDVR84K-Q2AI supports regular face recognition and stranger mode. Stranger Mode will identify and send alerts for any person that is not currently in a face database.

PRODUCT SPECIFICATIONS

SYSTEMS	
Main Processor	Embedded Processor
Operating System	Embedded LINUX

PERIMETER PROTECTION	
Perimeter Protection	<p>AI by DVR: Detection alarm for human and vehicle. Filter misinformation such as leaves and light.</p> <p>Function Configuration: Set at most 10 rules such as area intrusion and tripwire intrusion.</p> <p>Performance: 2 channels</p>
Live View	<p>Rule Box Inspection: Configure the rule box and object inspection box.</p> <p>Smart Panel: Display object classification (human, vehicle), event types, triggering time, image matting and object types. Attribute is not supported.</p> <p>Counting: Count people in People total. Count motor vehicles in Vehicle. Support exporting of associated event playback before and after 10 seconds.</p>
Playback	<p>Search Conditions: According to channels, time, event types and target types.</p> <p>Functions: Support search of associated event playback or snapshot before and after 10 seconds.</p> <p>Snapshot Capacity: 500,000</p>

FACE RECOGNITION	
Performance	<p>Up to 12 face pictures/sec processing (modeling and comparing).</p> <p>Up to 2 channels video stream (analog channel) human face recognition.</p> <p>Up to 10 face databases with 10,000 face images in total.</p> <p>Up to 300,000 face detection events in total.</p> <p>Up to 300,000 face Recognition events in total.</p>
Stranger Mode	Detect strangers' faces (not in device's face database). Similarity threshold can be set manually.
Playback	Up to 8 target face images search at same time, similarity threshold can be set for each target face image.
Database Management	Up to 10 face databases with 10,000 face images in total. Name, gender, birthday, nationality, address, ID information can be added to each face picture.
Database Application	Each database can be applied to video channels independently.
Trigger Events	Buzzer, Voice Prompts, Email, Snapshot, Recording, Alarm Out, PTZ Activation, etc.

HDVR84K-Q2AI

8 Channel 5-Way 4K 1U DVR with Analytics



PRODUCT SPECIFICATIONS CONT.

ID+	
ID+	AI by DVR: Motion detection alarm for human and vehicle. Filter misinformation such as leaves and light. Performance: 8 channels, AI by DVR.
Stranger Mode	Preview: Configure and inspect detection box
Playback	Playback: Search videos through channels, time and target types. Functions: Support search of associated event playback before and after 10 seconds.

DISPLAY	
Interface	1 HDMI, 1 VGA
Resolution	HDMI: 3840×2160, 2560×1440, 1920×1080, 1280×1024, 1280×720 VGA: 1920×1080, 1280×1024, 1280×720
Multi-Screen Display	When IP extension mode not enabled: 1 / 4 / 8 / 9 When IP extension mode enabled: 1 / 4 / 8 / 9 / 16
OSD	Camera Title, Time, Video Loss, Camera Lock, Motion

VIDEO AND AUDIO	
Analog Camera Input	8 Channel, BNC
HDCVI Camera	4K, 6MP, 4MP, 1080P @ 30fps, 720P @ 60fps, 720P @ 30fps
AHD Camera	5MP, 4MP, 3MP, 1080P @ 30fps, 720P @ 25 / 30fps
TVI Camera	5MP, 4MP, 3MP, 1080P @ 30fps, 720P @ 30fps
CVBS Camera	PAL / NTSC
IP Camera Input*	8+8 Channel, each channel up to 8MP
Audio In/Out	4/1, RCA
Two-way Talk	Reuse audio in/out, RCA

NETWORK	
Interface	1 RJ-45 Port (1000M)
Network Function	HTTP, HTTPS, TCP / IP, IPv4 / IPv6, UPnP, RTSP, UDP, SMTP, NTP, DHCP, DNS, IP Filter, PPPoE, DDNS, FTP, Alarm Server, P2P, IP Search
Max. User Access	128 users
Smart Phone	iPhone, iPad, Android
Interoperability	ONVIF 16.12, CGI Conformant

RECORDING	
Max Bit Rate	128Mbps Maximum Throughput
Compression	H.265+ / H.265 / H.264+ / H.264
Resolution	4K, 6MP, 5MP, 4MP, 3MP, 4M-N, 1080P, 720P, 960H, D1
Record Rate	Main Stream: 4K @ 7fps; 6MP @ 10fps; 5MP @ 12fps; 4MP / 3MP @ 15fps; 4M-N / 1080P @ 30fps Sub Stream: 960H @ 15fps; D1 @ 30fps
Bit Rate	32Kbps – 6144Kbps Per Channel
Record Mode	Manual, Schedule (General, Continuous), MD (Video detection: Motion Detection, Video Loss, Tampering), Alarm, Stop
Record Interval	1 – 60 min (default: 60 min), Pre-record: 1 sec – 30 sec, Post-record: 10 sec – 300 sec
Audio Compression	AAC (only for the 1st channel), G.711A, G.711U, PCM
Audio Sample Rate	8KHz, 16 bit Per Channel
Audio Bit Rate	64Kbps Per Channel

VIDEO DETECTION AND ALARM	
Trigger Events	Recording, PTZ, Tour, Video Push, Email, FTP, Snapshot, Buzzer and Screen Tips
Video Detection	Motion Detection, MD Zones: 396 (22 × 18), Video Loss, Tampering and Diagnosis
Alarm Input	8
Relay Output	3

PLAYBACK AND BACKUP	
Playback	1 / 4 / 9
Search Mode	Time / Date, Alarm, MD and Exact Search (accurate to second)
Playback Function	Play, Pause, Stop, Rewind, Fast play, Slow Play, Next File, Previous File, Next Camera, Previous Camera, Full Screen, Repeat, Shuffle, Backup Selection, Digital Zoom
Backup Mode	USB Device / Network

* The addition of IP cameras will eliminate the advanced analytic abilities on the recorder.

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PRODUCT SPECIFICATIONS CONT.

STORAGE	
Internal HDD	2 SATA Ports, up to 10TB capacity for each disk
eSATA	N/A

AUXILIARY INTERFACE	
USB	2 USB Ports (1 USB 2.0, 1 USB 3.0)
RS232	N/A
RS485	1 Port, for PTZ Control

GENERAL	
Power Supply	DC 12V/4A
Power Consumption	<10W (Without HDD)
Dimensions	1U, 14.8" x 11.3" x 2.1"
New Weight	3.70 lb (without HDD)
Gross Weight	7.05lb
Installation	Desktop installation
Operating Conditions	+14°F to +131°F, 0–90% RH
Storage Conditions	-4°F to +158°F, 0–90% RH

ADDITIONAL PRODUCTS



OPTIVIEW VMX
Remote Monitoring



SURVEILLANCE DRIVES
4TB / 8TB / 10TB



HDCD4K-28A
4K HD-CVI Wide Angle
Armor Ball w/ Audio

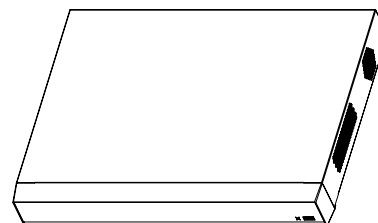
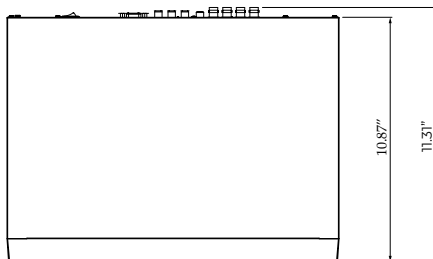
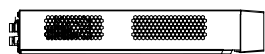
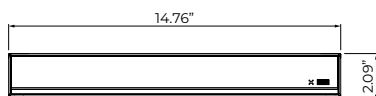


HDCB5ML-VMA
5MP Motorized Varifocal
HD Bullet Camera w/ Mic

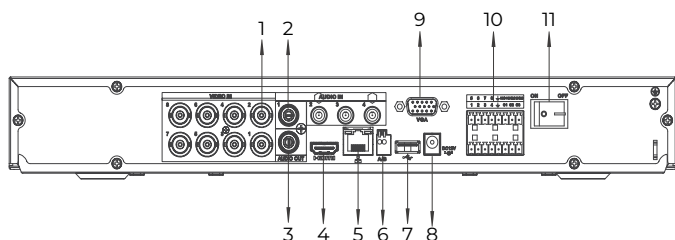


HDPTZ4M-30S
4MP HD-over-Coax PTZ
Camera with 30X Zoom

DIMENSIONS



REAR PANEL



- | | |
|----------------------------|----------------------|
| 1 Video In | 7 USB port |
| 2 Audio In, RCA Connector | 8 DC 12V Power Input |
| 3 Audio Out, RCA Connector | 9 VGA port |
| 4 HDMI port | 10 Alarm In / Out |
| 5 Network port | 11 Power Switch |
| 6 RS485 port | |