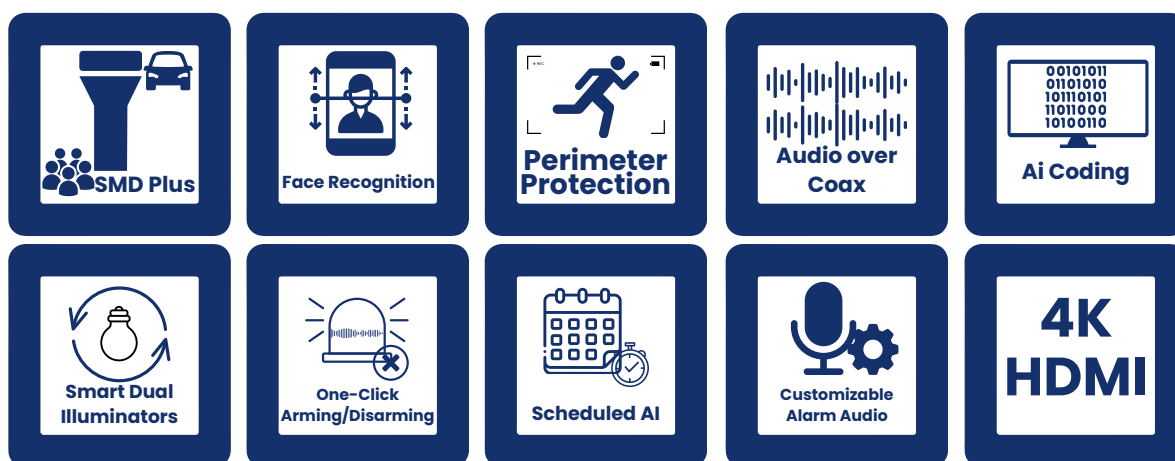




DCVR4K801AI3v2.0



Key Features



- H.265+, H.265 dual-stream video compression
- Supports Full-Channel AI Coding
- Supports HDCVI, AHD, TVI, CVBS, IP video inputs
- Max. 16-Channels IP camera inputs, each channel is up to 8MP, max. 128Mbps incoming bandwidth
- Up to 8-Channels video stream (analog channel) Perimeter Protection
- Up to 8-Channels video stream (analog channel) SMD Plus
- Up to 2-Channels video stream (analog channel) human face recognition
- IoT & POS functionalities



Specifications

System		DCVR4K801AI3v2.0
Main Processor	Industrial-grade processor	
Operating System	Embedded Linux	
Operating Interface	Web, Local GUI	
Perimeter Protection		
Perimeter Performance AI by Recorder (Number of Channels)	Advanced Model: 2-Channels, 10 IVS rules for each channel General Model: 8-Channels, 10 IVS rules for each channel	
Face Detection		
Face Attributes	Gender, age group, glasses, expressions, face mask, beard	
Face Detection Performance of AI by Recorder (Number of Channels)	2-Channel (up to 12 face images each channel)	
Face Recognition		
Face Database Capacity	Up to 10 databases with 20,000 images in total. Name, gender, birthday, address, certificate type and No., countries and regions and state can be added to each face image	
Face Recognition Performance of AI by Recorder (Number of Channels)	2-Channels	
SMD Plus		
SMD Plus by Recorder	8-Channels: Secondary filtering for human and motor vehicle, reducing false alarms caused by leaves, rain and lighting condition change	
Audio and Video		
Analog Camera Input	8 BNC ports, supports HDCVI, AHD, TVI, CVBS auto-detect	
Camera Input	CVI: 4K@25/30fps, 6MP@20fps, 5MP@20fps, 5MP@25fps, 4MP@25/30fps, 1080p@25/30fps, 720p@25/30fps, 720p@50/60fps, TVI: 4K@15fps, 5MP@20fps, 4MP@25/30fps, 3MP@25/30fps, 1080p@25/30fps, 720p@25/30fps AHD: 4K@15fps, 5MP@20fps, 4MP@25/30fps, 3MP@25/30fps, 1080p@25/30fps, 720p@25/30fps	
IP Camera Input	Up to 16-Channels of IPC Access 8 IP Channels by default + 8-Channels (Analog Channels are converted to IP Channels) Incoming Bandwidth: 128Mbps, Recording Bandwidth: 128Mbps and Outgoing Bandwidth: 128Mbps After IP Channels are added beyond the existing channels, the AI Function (IVS, SMD, Face) will be disabled	



Encoding Capacity	Main Stream: 4K@1-7fps, 6MP@1-10fps, 5MP@1-12fps, 4K-N, 4MP, 3MP@1-15fps, 4M-N, 1080p, 720p, 960H, D1, CIF@1-25/30fps Sub Stream: 960H@1-15fps, D1, CIF@1-25/30fps
Dual Stream	Yes
Video Bit Rate	32 Kbps ~ 6144 Kbps
Audio Sampling	8 kHz, 16 bit
Audio Bit Rate	64 Kbps
Video Output	1 HDMI, 1 VGA HDMI: 3840 x 2160, 1920 x 1080, 1280 x 1024, 1280 x 720 VGA: 1920 x 1080, 1280 x 1024, 1280 x 720 <i>Simultaneous/Heterogeneous video sources output for VGA and HDMI is configurable</i>
Multi-Screen Display	When IP Extension Mode is NOT enabled: 1, 4, 8, 9 When IP Extension Mode IS enabled: 1, 4, 8, 9, 16
Third-Party Camera Access	ONVIF, Panasonic, Sony, Axis, Arecont, Samsung
Compression Standard	
Video Compression	AI Coding, Smart H.265+, H.265, Smart H.264+, H.264
Audio Compression	G.711a, G.711u, PCM
Network	
Network Protocol	HTTP, HTTPS, TCP/IP, IPv4, RTSP, UDP, SMTP, NTP, DHCP, DNS, DDNS, P2P
Mobile Phone Access	iOS & Android
Interoperability	ONVIF 22.12 (Profile T, Profile S, Profile G), CGI, SDK
Browser	Chrome, IE9 or later, Firefox
Network Mode	Single-Address Mode
Recording Playback	
Record Mode	General, motion detection, intelligent, alarm, POS
Recording Playback	1, 4, 9
Backup Method	USB Device and Network
Playback Mode	Instant playback, general playback, event playback, tag playback, smart playback (face and motion detection)



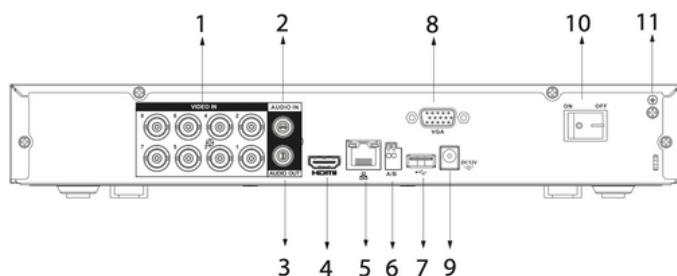
Alarm	
General Alarm	Motion Detection, video loss, tampering
Anomaly Alarm	No disk, storage error, disk full, camera offline, IP conflict, MAC conflict
Intelligent Alarm	Face detection, face recognition, perimeter protection
Alarm Linkage	Record, Snapshot (panoramic), IPC external alarm output, access controller, voice prompt, buzzer, log, preset, email
Ports	
Audio Input	1-Channel RCA 8-Channel BNC (Coaxial Audio)
Audio Output	1-Channel RCA
Two-Way Talk	Yes (Shares the same audio input with the first channel)
HDD Interface	1 SATA port, up to 16TB capacity for each disk. The max. HDD capacity varies with environment temperature
RS-485	1 port, for PTZ control
USB	2 (1 front USB 2.0 port, 1 rear USB 3.0 port)
HDMI	1
VGA	1
Network Port	1 (10, 100, 1,000 Mbps Ethernet port, RJ-45)
General	
Power Supply	DC 12V, 2A
Power Consumption	<10W (Without HDD)
Net Weight	1.20kg (2.65lb)
Gross Weight	1.40kg (3.09lb)
Product Dimensions	325.0mm x 257.1mm x 55.0mm (12.80" x 10.12" x 2.17") (W x D x H)
Packaging Dimensions	372.0mm x 117.0mm x 308.0mm (14.65" x 4.61" x 12.13") (W x D x H)
Operating Temperature	-10°C ~ +55°C (14°F ~ +131°F)
Operating Humidity	10% ~ 90% (RH)
Installation	Rack or 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

Panels



1 - Video In

3 - Audio Out, RCA Connector

5 - Network Port

7 - USB Port

9 - Power Input

11 - Ground

2 - Audio In, RCA Connector

4 - HDMI Port

6 - RS-485 Port

8 - VGA Port

10 - Power Switch