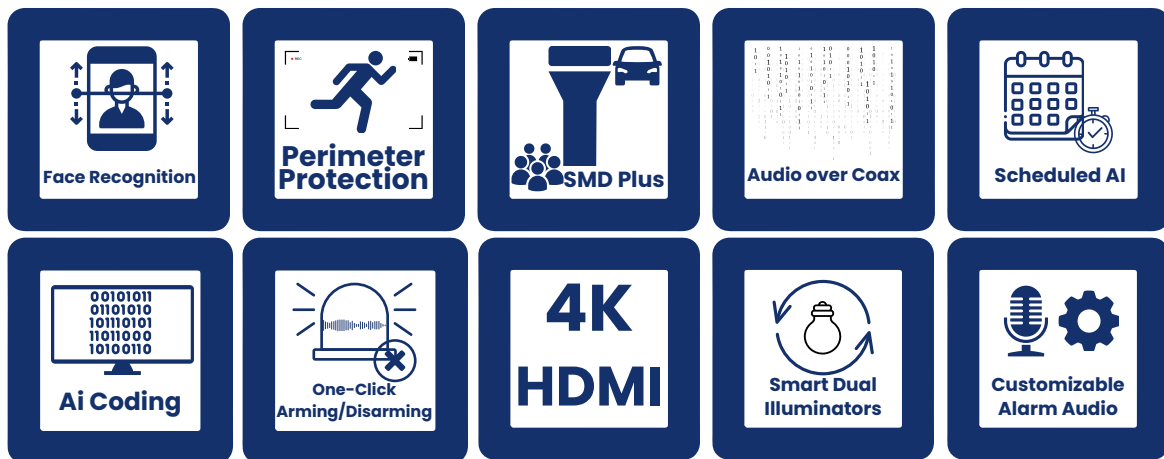




DCVR4KL1601AIv3v2.0



Key Features



- H.265+, H.265 Dual-Stream video compression
- Supports full-channel AI-coding
- Supports HDCVI, AHD, TVI, CVBS, IP video inputs
- Max. 32-Channels IP camera inputs, each channel up to 8MP, max. 128Mbps incoming bandwidth
- Up to 8-Channels video stream (analog channel) Perimeter Protection
- Up to 16-Channels video stream (analog channel) SMD Plus
- Up to 2-Channels video stream (analog channel) human face recognition
- IoT & POS functionalities



Specifications

System		DCVR4KL1601A1v3v2.0
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 for each channel General Model; 8-Channels, 10 IVS 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, credential type, credential 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	16-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	16 BNC ports, supports HDCVI, AHD, TVI, CVBS auto-detect	
Camera Input	1. CVI: 4K@25/30fps, 6MP@20fps, 5MP@20fps, 5MP@25fps, 4MP@25/30fps, 1080p@25/30fps, 720p@25/30fps, 720p@50/60fps 2. TVI: 4K@15fps, 5MP@20fps, 4MP@25/30fps, 3MP@25/30fps, 1080p@25/30fps, 720p@25/30fps 3. AHD: 4K@15fps, 5MP@20fps, 4MP@25/30fps, 3MP@25/30fps, 1080p@25/30fps, 720p@25/30fps	
IP Camera Input	Up to 32-Channels of IPC access 16 IP channels by default + 16 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.	



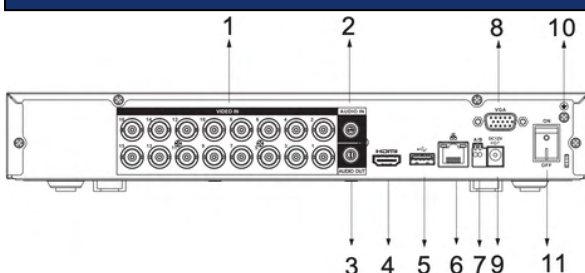
Encoding Capacity	Main Stream: All channel 4K@1-7fps, 6MP@1-10fps, 5MP@1-12fps, 4K-N, 4MP, 3MP@1-15fps, 4M-N, 1080p, 720p, 960H, D1, CIF@1-25/30fps Sub Stream: 960H@1-15fps, D1, CIF@1-25/30fps
Dual-Stream	Yes
Video Frame Rate	PAL: 1 ~ 25fps NTSC: 1 ~ 30fps
Video Bit Rate	32Kbps ~ 6144Kbps per channel
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, 16 When IP extension mode IS enabled: 1, 4, 8, 9, 16, 25, 36
Third-Party Camera Access	ONVIF, RTSP, Panasonic, Sony, Axis, Arecont, Pelco, Canon, Samsung
Compression Standard	
Video Compression	AI Coding: H.265+, H.265, 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 21.06, CGI
Browser	Chrome, IE9 or later, Firefox
Network Mode	Single-Address Mode
Recording Playback	
Record Mode	General, motion detection, intelligent alarm, POS
Recording Playback	When the AI function (IVE, FACE) is NOT enabled: 1, 4, 9, 16 When the AI function (IVS, FACE) IS enabled: 1, 4, 9
Backup Method	USB Device and Network
Playback Mode	Instant, general, event, tag and smart playback (face and motion detection)

**Ports**

Audio Input	1-Channel RCA (External) 16-Channel BNC (Coaxial Audio)
Audio Output	1-Channel RCA
Two-Way Talk	Yes (Share the same audio input with the first channel)
HDD Interface	1 SATA port, up to 16TB. The max. HDD capacity varies with environment temperature
RS-485	1
USB	2 (1 front USB 2.0 port, 1 rear USB 3.0 port)
HDMI	1
VGA	1
Network Port	1 (10, 100Mbps Ethernet port, RJ-45)

General

Power Supply	12 VDC, 3A
Power Consumption	Lower than 15W
Net Weight	1.23kg (2.71lb)
Gross Weight	2.11kg (4.65lb)
Product Dimensions	Mini 1U, 325.0mm x 256.6mm x 55.0mm (12.80" x 10.10" 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	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
- 5 - USB Port
- 7 - RS-485 Port
- 9 - DC 12V Power Input
- 11 - Power Switch

- 2 - Audio In
- 4 - HDMI Port
- 6 - Network Port
- 8 - VGA Port
- 10 - Ground