



DCVR5M1601AI3



Key Features



- H.265+/H.265 dual-stream video compression
- Supports FULL-channel Ai Coding
- Supports HDCVI, AHD, TVI, CVBS, IP video inputs
- Max 24 channels IP camera inputs, each channel up to 6MP, Max 128Mbps incoming bandwidth
- Up to 4 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	
DCVR5M1601A13	
Main Processor	Embedded processor
Operating System	Embedded Linux
Operating Interface	Web, Local GUI
Perimeter Protection	
Perimeter Protection 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, expression, face mask, beard
Face Detection Performance of Ai by Recorder (Number of Channels)	2 channels (up to 12 face image(s))
Face Recognition	
Face Database Capacity	Up to 10 face databases with 10,000 face images in total. Name, gender, birthday, address, certificate type, certificate number, countries & regions & state can be added to each face picture
Face Recognition Performance of Ai by Recorder (# of Channels)	2 channels
SMD Plus	
SMD Plus by Recorder	16 channels: Secondary filtering for human & motor vehicle SMD plus, reducing false alarms caused by leaves, rain & lighting condition change.
Audio & Video	
Analog Camera Input	16 BNC ports, CVI access by default, supports HDCVI, AHD, TVI, CVBS auto-detect
Camera Input	1. CVI : 5MP, 4MP, 1080p@23/30fps, 720p@50/60fps, 720p@25/30fps 2. TVI : 5MP, 4MP, 3MP, 1080p@25/30fps, 720p@25/30fps, 3. AHD : 5MP, 4MP, 3MP, 1080p@25/30fps, 720p@25/30fps
IP Camera Input	Up to 24 channels of IPC access 8 IP channels by default + 16 channels (analog channels are converted to IP channels) Incoming bandwidth: 128 Mbps, recording bandwidth: 128 Mbps & outgoing bandwidth: 128 Mbps *After IP channels are added beyond the existing channels, the Ai Function (IVS, SMD, FACE) will be disabled*
Encoding Capacity	Main stream: All channels 5M-N (1-10fps), 4M-N/1080p(1-15fps), 1080N, 720p, 960H, D1, CIF (1-25/30fps) Sub stream: Supported (D1/CIF (1-15fps))
Dual-Stream	Yes
Video Frame Rate	PAL: 1fps-25fps, NTSC: 1fps-30fps
Video Bit Rate	32 Kbps - 6144 kbps per channel
Audio Sampling	8 kHz, 16 bit
Audio Bit Rate	64 kbps



Video Output	1 HDMI, 1 VGA VGA: 1920 x 1080, 1280 x 1024, 1280 x 720 HDMI: 3840 x 2160, 1920 x 1080, 1280 x 1024, 1280 x 720 *It changes to 1920 x 1080, 1280 x 1024, 1280 x 720 when face or IVS & SMD is selected in Ai Mode*
Multi-Screen Display	When IP extension mode not enabled: 1/4/8/9/16 When IP extension mode enabled: 1/4/8/9/16/25
Third-Party Camera Access	ONVIF, Panasonic, Sony, Axis, Arecont, Pelco, Canon, Samsung
Compression Standard	
Video Compression	Ai Coding: Smart 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	iPhone, iPad, Android
Interoperability	ONVIF 21.06, CGI
Browser	Chrome, IE9 or above, Firefox
Network Mode	Single-address mode
Recording Playback	
Record Mode	General, motion detection, intelligent, alarm, POS
Recording Playback	1, 4, 9, 16 It changes to 1, 4, 9 split when face or IVS & SMD is selected in Ai Mode
Backup Method	USB device & network
Playback Mode	Instant playback, general playback, event playback, tag playback, smart playback (face & motion detection)
Alarm	
General Alarm	Motion detection, video loss, tampering & 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-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 ports, up to 16TB. 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, 1000 Ethernet port, RJ-45)



General

Power Supply	DC12V, 2A
Power Consumption	Lower than 12W
Net Weight	1.15kg (2.54lb)
Gross Weight	1.95 kg (4.30lb)
Product Dimensions	Mini 1U, 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 Temperatures	-10 °C to +55 °C (14 °F to +131 °F)
Operating Humidity	10%–90% (RH)
Installation	Desktop (some models)
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

Dimensions

