

XVR5216AN-4KL-I3

Video recorder XVR5216AN-4KL-I3

- 2-channel QuickPick 2.0 for analog channels which improves the efficiency of target retrieval.
- 1-channel Privacy Protection for analog channels which supports masking and restoring human faces that are detected in real time.
- 16-channel SMD Plus for analog channels or 32-channel SMD
- 8-channel perimeter protection for analog channels which supports tripwire and intrusion detection powered by AI.
- 2-channel face recognition for analog channels which supports face comparison.
- 16-channel AI Coding saves on storage and bandwidth while maintaining the details of targets in videos.
- Supports HDCVI, AHD, TVI, CVBS and IP video input.
- The incoming bandwidth reaches 128 Mbps.
- Smart H.265+ and H.265 dual-stream video compression.

Number of channels	16 channel
Type	XVR
Max HDD capacity	16 TB



Detailed

System	
Main Processor	Industrial-grade processor
Operating System	Embedded Linux
Operating Interface	Web; Local GUI
Quick Pick	
QuickPick 2.0 AI by Recorder	2 channels

(Number of Channels)	
Perimeter Protection	
Perimeter Performance AI by Recorder (Number of Channels)	Advanced Mode: 2 channels, 10 IVS rules for each channel General Mode: 8 channels, 10 IVS rules for each channel
Face Detection	
Face Attributes	6 attributes
Face Detection Performance of AI by Recorder (Number of Channels)	2 channels(up to 12 face images/s each channel)
Privacy Protection	
Privacy Protection Performance of AI by Recorder (Number of Channels)	1 channel
Face Recognition	
Face Database Capacity	Up to 10 face databases with 20,000 images.
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 vehicle, reducing false alarms caused by leaves, rain and lighting condition change
SMD Plus by Camera	32 channels
AI Video Quality Analytics	
AI Video Quality Analytics by Recorder	16 channels: Supports detecting brightness levels, color cast, defocus, overexposure, contrast levels, black and white
Scene Changing	
Scene Changing by Recorder	1 channel
Irregular Black Block Masking	
Irregular Black Block Masking by Recorder	1 channel
Audio and Video	

Analog Camera Input	16 BNC ports, supports HDCVI/AHD/TVI/CVBS auto-detect
Camera Input	<p>1. CVI: 4K@25/30 fps; 4K@12.5/15 fps; 6 MP@20 fps; 5 MP@25 fps; 5 MP@20 fps; 4 MP@25/30 fps; 1080p@25/30 fps; 720p@25/30 fps; 720p@50/60 fps.</p> <p>2. TVI: 4K@15 fps; 5 MP@20 fps; 4 MP@25/30 fps; 3 MP@25/30 fps; 1080p@25/30 fps; 720p@25/30 fps.</p> <p>3. AHD: 4K@15 fps; 5 MP@20 fps; 4 MP@25/30 fps; 3 MP@25/30 fps; 1080p@25/30 fps; 720p@25/30 fps.</p>
IP Camera Input	<p>Up to 32 channels of IPC access</p> <p>16 IP channels by default + 16 channels (analog channels are converted to IP channels)</p> <p>Incoming bandwidth: 128 Mbps, recording bandwidth: 128 Mbps and outgoing bandwidth: 128 Mbps</p> <p>*After IP extension is enabled, Video Quality Analytics, Scene Changing, Face Recognition, Face Detection, SMD, Perimeter Protection, QuickPick 2.0 and Privacy Protection cannot be used.</p>
Encoding Capacity	<p>Encode Enhancement disabled☐</p> <p>Main stream:</p> <p>4K@(1 fps-7 fps); 6 MP@(1 fps-10 fps); 5 MP@(1 fps-12 fps); 4K-N/4 MP/3 MP@(1 fps-15 fps); 4M-N/1080p/720p/960H/D1/CIF@(1 fps-25/30 fps)</p> <p>Sub stream:</p> <p>960H@(1 fps-15 fps); D1/CIF@(1 fps-25/30 fps)</p> <p>Encode Enhancement enabled☐</p> <p>Main stream:</p> <p>the 1st, 5th, 9th, 13th channel 4K@(1 fps-15 fps), others 4K@(1 fps-7 fps);</p> <p>the 1st, 5th, 9th, 13th channel 6 MP@(1 fps-20 fps), others 6 MP@(1 fps-10 fps);</p> <p>the 1st, 5th, 9th, 13th channel 5 MP@(1 fps-25 fps), others 5 MP@(1 fps-12 fps);</p> <p>the 1st, 5th, 9th, 13th channel 4K-N/4 MP/3 MP@(1 fps-25/30 fps), others 4K-N/4 MP/3 MP@(1 fps-15 fps);</p> <p>4K/6 MP@(1 fps-10 fps);5 MP@(1 fps-12 fps); 4K-N/4 MP/3 MP@(1 fps-15 fps); 4M-N/1080p/720p/960H/D1/CIF@(1 fps-25/30 fps)</p> <p>Sub stream:</p> <p>960H@(1 fps-15 fps); D1/CIF@(1 fps-25/30 fps)</p> <p>*When Encode Enhancement is enabled, Video Quality Analytics, Scene Changing, Face Recognition, Face Detection, Perimeter Protection, QuickPick 2.0 and Privacy Protection cannot be used.</p>
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 × 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: 1/4/8/9/16 When IP extension mode enabled: 1/4/8/9/16/25/36
Third-party Camera Access	Panasonic; Sony; Hanwha; Axis; Arecont; ONVIF
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; IPv6; RTSP; UDP; NTP; DHCP; DNS; SMTP; UPnP; IP Filter; FTP; DDNS; SNMP; Alarm Server; P2P; Auto Registration; IP Search (Supports IP camera, DVR, NVS, etc.)
Mobile Phone Access	iOS; Android
Interoperability	ONVIF 23.12 (Profile T; Profile S; Profile G); CGI; SDK
Browser	Chrome; IE; Safari; Edge; Firefox
Recording Playback	
Record Mode	General; alarm; motion detection; intelligent; POS
Recording Playback	1/4/9/16
Backup Method	USB device and network
Playback Mode	Instant playback; general playback; event playback; tag playback; smart playback
Storage	
Disk Group	Yes
Alarm	

General Alarm	Motion detection; alarm box; HDCVI alarm; camera external alarm; network alarm; PIR alarm
Anomaly Alarm	Error (no disk, disk error, low space, low quota space; network disconnection; IP conflict; MAC conflict); video loss; video tampering; camera offline
Intelligent Alarm	Face detection; face recognition; perimeter protection; SMD Plus
Alarm Linkage	Record; snapshot (panoramic); IPC external alarm output; audio; buzzer; log; preset; email
Ports	
Audio Input	1-channel RCA 16-channel BNC (Coaxial Audio)
Audio Output	1-channel RCA
Two-way Talk	Yes (share the same audio input with the first channel)
Disk Interface	2 SATA ports. Each disk can contain up to 16 TB. This limit varies depending on the 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 (10/100/1000 Mbps Ethernet port, RJ-45)
General	
Power Supply	12 VDC, 5 A
Net Weight	1.80 kg (3.97 lb)
Gross Weight	3.10 kg (6.84 lb)
Product Dimensions	375.0 mm × 289.6 mm × 53.0 mm (14.76" × 11.39" × 2.09") (W × D × H)
Packaging Dimensions	433.0 mm × 141.0 mm × 366.0 mm (17.05" × 5.56" × 14.41") (W × D × H)
Operating Temperature	-10 °C to +55 °C (+14 °F to +131 °F)
Storage Temperature	-20 °C to +60 °C (-4 °F to +140 °F)
Operating Humidity	10%–90% (RH), non-condensing

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