

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.

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



Detailed

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

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| (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 | |

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| 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 |

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| Audio Bit Rate | 64 kbps |
| Video Output | <p>1 HDMI, 1 VGA</p> <p>HDMI: 3840 × 2160, 1920 × 1080, 1280 × 1024, 1280 × 720</p> <p>VGA: 1920 × 1080, 1280 × 1024, 1280 × 720</p> <p>*Simultaneous/heterogeneous video sources output for VGA and HDMI is configurable.</p> |
| Multi-screen Display | <p>When IP extension mode not enabled: 1/4/8/9/16</p> <p>When IP extension mode enabled: 1/4/8/9/16/25/36</p> |
| 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 | |
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| 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 |

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| 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 |

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