

XVR4216AN-I

Video recorder

8-channel SMD Plus for analog channels which allows the device to trigger accurate alarms for humans and vehicles
 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
 Supports up to 18-channel IP camera input and each channel can be up to 6 MP. The incoming bandwidth reaches 64 Mbps
 Smart H.265+ and H.265 dual-stream video compression

Number of channels	16 channel
Type	XVR
Megapixel	6 MP
Max HDD count	2 HDD
Max HDD capacity	10 TB

**Detailed**

System	
Main Processor	Industrial-grade processor
Operating System	Embedded Linux
Operating Interface	Web; Local GUI
SMD Plus	
SMD Plus by Recorder	8 channels: Secondary filtering for human and 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	<ol style="list-style-type: none"> 1. CVI: 1080p@25/30 fps; 720p@25/30 fps. 2. TVI: 1080p@25/30 fps; 720p@25/30 fps. 3. AHD: 1080p@25/30 fps; 720p@25/30 fps.
IP Camera Input	<p>Up to 18 channels of IPC access</p> <p>2 IP channels by default + 16 channels (analog channels are converted to IP channels)</p> <p>Incoming bandwidth: 64 Mbps, recording bandwidth: 64 Mbps and outgoing bandwidth: 64 Mbps</p> <p>*After IP extension is enabled, the AI Function (SMD) will be disabled.</p>
Encoding Capacity	<p>Main stream: the 1st channel 1080N/720p@(1 fps-25/30 fps), others 1080N/720p@(1 fps-15 fps); 960H/D1/CIF@(1 fps-25/30 fps)</p> <p>Sub stream: CIF@(1 fps-7 fps)</p>
Dual-stream	Yes
Video Bit Rate	32 kbps-4096 kbps
Audio Sampling	8 kHz, 16 bit
Audio Bit Rate	64 kbps
Video Output	<p>1 HDMI, 1 VGA</p> <p>HDMI: 1920 × 1080, 1280 × 1024, 1280 × 720</p> <p>VGA: 1920 × 1080, 1280 × 1024, 1280 × 720</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</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 22.12 (Profile T; Profile S; Profile G); CGI; SDK
Browser	Chrome; IE; Safari; Edge; Firefox
Recording Playback	
Record Mode	General; alarm; motion detection
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	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 2.0 port)
HDMI	1
VGA	1

Network Port	1 (10/100 Mbps Ethernet port, RJ-45)
General	
Power Supply	12 VDC, 4 A
Power Consumption	
Net Weight	1.61 kg (3.55 lb)
Gross Weight	2.86 kg (6.30 lb)
Product Dimensions	375.0 mm × 289.6 mm × 53.0 mm (14.76" × 11.40" × 2.09") (W × D × H)
Packaging Dimensions	433.0 mm × 141.0 mm × 366.0 mm (17.05" × 5.55" × 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	<p>CE-LVD: IEC 62368-1:2014</p> <p>CE-EMC: EN IEC 61000-3-2:2019, EN 61000-3-3:2013+A1:2019, EN 55032:2015+A11:2020, EN 55035:2017+A11:2020, EN 55024:2010+A1:2015, EN 50130-4:2011+A1:2014</p> <p>FCC: 47 CFR Part 15, Subpart B</p>