

## XVR5816S-I3

Videoregistrator XVR5816S-I3

- 16-channel SMD Plus for analog channels or 24-channel SMD by camera which allows the device to trigger accurate alarms for humans and vehicles
- 4-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
- Supports up to 24-channel IP camera input and each channel can be up to 8 MP. The incoming bandwidth reaches 128 Mbps
- Smart H.265+ and H.265 dual-stream video compression
- IoT and POS capabilities

Kanal sayı	16 kanal
Növ	XVR
Megapiksel	5 MP
Max HDD sayı	8 HDD
Max HDD həcmi	16 TB



## Ətraflı

<b>System</b>	
Main Processor	Industrial-grade processor
Operating System	Embedded Linux
Operating Interface	Web; Local GUI
<b>Perimeter Protection</b>	

Perimeter Performance AI by Recorder (Number of Channels)	Advanced Mode: 2 channels, 10 IVS rules for each channel General Mode: 4 channels, 10 IVS rules for each channel
<b>Face Detection</b>	
Face Attributes	6 attributes
Face Detection Performance of AI by Recorder (Number of Channels)	2 channels(up to 12 face images/s each channel)
<b>Face Recognition</b>	
Face Database Capacity	Up to 10 face databases with 10,000 images.
Face Recognition Performance of AI by Recorder (Number of Channels)	2 channels
<b>SMD Plus</b>	
SMD Plus by Recorder	16 channels: Secondary filtering for human and motor vehicle, reducing false alarms caused by leaves, rain and lighting condition change
SMD Plus by Camera	24 channels
<b>AI Video Quality Analytics</b>	
AI Video Quality Analytics by Recorder	16 channels: Supports detecting brightness levels, color cast, defocus, overexposure, contrast levels, black and white
<b>Scene Changing</b>	
Scene Changing by Recorder	1 channel
<b>Irregular Black Block Masking</b>	
Irregular Black Block Masking by Recorder	1 channel

<b>Audio and Video</b>	
Analog Camera Input	16 BNC ports, supports HDCVI/AHD/TVI/CVBS auto-detect
Camera Input	<p>1. CVI: 5 MP@25 fps; 5 MP@20 fps; 5 MP@10/12.5 fps; 4 MP@25/30 fps; 1080p@25/30 fps; 720p@50/60 fps; 720p@25/30fps.</p> <p>2. TVI: 5 MP@20 fps; 4 MP@25/30 fps; 1080p@25/30 fps; 720p@25/30 fps.</p> <p>3. AHD: 5 MP@20 fps; 4 MP@25/30 fps; 1080p@25/30 fps; 720p@25/30 fps.</p>
IP Camera Input	<p>Up to 24 channels of IPC access</p> <p>8 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 cannot be used.</p>
Encoding Capacity	<p>Main stream:</p> <p>5 MP Mode: 4-ch 5 MP@(1 fps-6 fps); others 5M-N@(1 fps-12 fps)</p> <p>5M-N Mode: 5M-N@(1 fps -12 fps); 4M-N/1080p@(1 fps-15 fps); 1080N/720p/960H/D1/CIF@(1 fps-25/30 fps)</p> <p>Sub stream: D1/CIF@(1 fps-15 fps)</p>
Dual-stream	Yes
Video Bit Rate	32 kbps-6144 kbps
Audio Sampling	8 kHz, 16 bit
Audio Bit Rate	64 kbps
Video Output	<p>2 HDMI, 1 VGA, 1 TV</p> <p>HDMI 1: 3840 × 2160, 1920 × 1080, 1280 × 1024, 1280 × 720</p> <p>VGA/HDMI 2: 1920 × 1080, 1280 × 1024, 1280 × 720</p>

	<p>It changes to 1920 × 1080, 1280 × 1024, 1280 × 720 when Face or IVS&amp;SMD is selected in AI Mode.</p> <p>*Heterogeneous video sources output for HDMI 2 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</p>
Third-party Camera Access	<p>Panasonic; Sony; Hanwha; Axis; Arecont; ONVIF</p>
<b>Compression Standard</b>	
Video Compression	<p>AI Coding; Smart H.265+; H.265; Smart H.264+; H.264</p>
Audio Compression	<p>G.711a; G.711u; PCM</p>
<b>Network</b>	
Network Protocol	<p>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.)</p>
Mobile Phone Access	<p>iOS; Android</p>
Interoperability	<p>ONVIF 23.12 (Profile T; Profile S; Profile G); CGI; SDK</p>
Browser	<p>Chrome; IE; Safari; Edge; Firefox</p>
Network Mode	<p>Multi-address mode; fault tolerance; load balance</p>
<b>Recording Playback</b>	
Record Mode	<p>General; alarm; motion detection; intelligent; POS</p>
Recording Playback	<p>1/4/9/16</p>

	It changes to 1/4/9 split when Face or IVS&SMD is selected in AI Mode.
Backup Method	USB device and network
Playback Mode	Instant playback; general playback; event playback; tag playback; smart playback
<b>Storage</b>	
Disk Group	Yes
<b>Alarm</b>	
General Alarm	Motion detection; local alarm; 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); local alarm output; IPC external alarm output; audio; buzzer; log; preset; email
<b>Ports</b>	
TV Output	1 channel
Audio Input	16-channel BNC 16-channel BNC (Coaxial Audio)
Audio Output	1-channel BNC
Two-way Talk	1-channel BNC
Alarm Input	

	16 channels
Alarm Output	6 channels
Disk Interface	8 SATA ports. Each disk can contain up to 16 TB. This limit varies depending on the environment temperature.
eSATA	1
RS-232	1
RS-485	1
USB	4(2 front USB 2.0 ports, 2 rear USB 3.0 ports)
HDMI	2
VGA	1
Network Port	2 (10/100/1000 Mbps Ethernet port, RJ-45)
<b>General</b>	
Power Supply	100-240 VAC, 50±2% Hz
Power Consumption	
Net Weight	6.72 kg (14.81 lb)
Gross Weight	9.32 kg (20.55 lb)
Product Dimensions	

	440.0mm × 463.0 mm × 94.9 mm (17.32" × 18.23" × 3.73") (W × D × H)
Packaging Dimensions	570.0 mm × 570.0 mm × 226.0 mm (22.44" × 22.44" × 8.90") (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