

# XVR5216-I3

16 Channel Penta-brid 5M-N/1080P 1U 2HDDs WizSense Digital Video Recorder



## Functions

### Real Time Face Recognition

Video stream real time face recognition. Facial attributes analysis features including gender, age, expression, glasses, moustache, mouth mask. Identify people and also capture, record faces with metadata. Facial feature filtering while real time display, only show faces with target features.

\*Face Recognition takes effect when Face is selected in AI Mode.

### Perimeter Protection

Automatically filtering out false alarms caused by animals, rustling leaves, bright lights, etc. Enables system to act secondary recognition for the targets. Improving alarm accuracy

\*Perimeter Protection takes effect when IVS&SMD is selected in AI Mode.

### SMD Plus

SMD Plus, referred to as Smart Motion Detection Plus, which is an upgrading version of SMD that greatly improves the alarm accuracy by loading deep-learning algorithm. It analyzes person and vehicle shapes based on motion detection and send alarms only when person and vehicle intrudes.

\*SMD Plus takes effect when SMD or IVS&SMD is selected in AI Mode.

### AI Coding

Compared with H.265, AI codec can reduce up to 50% bit rate and storage requirements while have no loss of decoding compatibility, providing clear human and vehicle details.

### Smart H.265+

Smart Codec, H.265+ can reduce up to 90% bit rate and storage requirements compared with H.264 without having to invest in new cameras.

### HDCVI/AHD/TVI/CVBS Auto-detect

The XVR can auto recognize the signal of front-camera without any setting. It makes operation more friendly and convenient.

### High Definition Camera Input

The XVR supports up to 5MP HDCVI camera and 6MP IP camera input.

### Coaxial Audio/Upgrade/Alarm

The integrated design can reduce wiring troubles which makes it much more cost-effective and convenient for installation.

### Long Distance Transmission

The HDCVI system supports long distance transmission over coaxial cable and UTP, max. 700m for 4K/4MP, 800m for 1080P and 1200m for 720P.

### AI Search

Support AI search by metadata of different targets or uploading face pictures to device and comparing them with recorded faces by similarity. Enable operators to quickly and easily search through multi channels and long duration, efficiently find out when and where a person of interest appeared.

System	
Main Processor	Embedded Processor
Operating System	Embedded Linux
Perimeter Protection	
Perimeter Performance AI by	2 Channels
Face Detection	
Face Attributes	6 Attributes: Gender, Age Groups (6), Glasses, Expressions (8), Face Mask, Beard, With Up to Four Detection Panels Displayed at the Same Time.
Face Detection Performance of AI by Recorder (Number of Channels)	2 Channels, And a Single Channel Can Detect Up to 12 Faces.
Face Recognition	
Face Database Capacity	Up to 10 Face Databases And 10,000 Pictures.
Face Recognition Performance of AI by Recorder (Number of Channels)	2 Channels
SMD Plus	
SMD Plus By Recorder	Full-Channel SMD Plus (AI By Recorder), Secondary Filtering For Human And Motor Vehicle SMD Plus, Reducing False Alarms Caused By Leaves, Rain And Lighting Condition Change
Audio and Video	
Analog Camera Input	16 Channels, BNC: Adaptive Access By Default; HDCVI, AHD, TVI And CVBS Access Can Be Configured.
Camera Input	1. CVI: 5MP, 4MP, 1080p@25/30 fps, 720p@50/60 fps, 720p@25/30 fps. 2. TVI: 5MP, 4MP, 3MP, 1080p@25/30, 720p@25/30 fps. 3. AHD: 5MP, 4MP, 3MP, 1080p@25/30, 720p@25/30 fps.
IP Camera Input	16+8 Channels, Each Channel Up to 6MP
Encoding Capacity	All Channel 5M-N (1 fps-10 fps); 4M-N/1080p (1 fps-15 fps); 1080N/720p/960H/D1/CIF (1 fps-25/30 fps)
Dual-Stream	Supported (D1/CIF (1 fps-15 fps)).
Video Frame Rate	PAL: 1 fps-25 fps. NTSC: 1 fps-30 fps.
Video Bit Rate	32 Kbps-6144 Kbps Per Channel
Audio Sampling	8 KHz, 16 bit Per Channel
Audio Bit Rate	64 Kbps Per Channel
Bit Rate Type	Video Stream And Composite Stream.

Compression Standard	
Video Compression	AI Coding/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 16.12, CGI Conformant
Browser	Chrome, IE9 or Above, Firefox
Network Mode	Single-Address Mode
Recording Playback	
Record Mode	Manual, Schedule (General, Continuous), MD (Video Detection: Motion Detection, Video Loss, Tampering), Alarm, Stop
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 And Motion Detection)
Storage	
Disk Group	Yes
Alarm	
General Alarm	Motion Detection, Video Loss, Tampering, And 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, RCA (External) 16, BNC (Coaxial)
Audio Output	1, RCA
Two-Way Talk	Yes (Share the Same Audio Input With the First Channel)
HDD Interface	2 SATA Ports, Up to 16TB for a Single HDD, The Maximum HDD Capacity Varies With Environment Temperature
RS-485	1 Port, For PTZ Control
USB	2 USB Ports (1 USB 2.0 , 1 USB 3.0)
HDMI	1
VGA	1
Network Port	1 (10/100/1000 Mbps Ethernet Port, RJ-45)
General	
Power Supply	DC12V, 4A
Power Consumption	Lower than 12 W
Net Weight	1.56 kg (3.44 lb)
Gross Weight	2.86 kg (6.31 lb)
Product Dimensions	1U, 375.0 mm × 289.0 mm × 53.0 mm (W × D × H) 14.76" × 11.38" × 2.09" (W × D × H)
Packaging Dimensions	433.0 mm × 141.0 mm × 366.0 mm (L × W × H) 17.05" × 5.55" × 14.41" (L× W × H)
Operating Temperature	-10 °C to +55 °C (+14 °F to +131 °F)
Operating Humidity	10%–90%
Installation	Desktop

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Dimensions (mm)

