

XVR5216-5M-I3

16CH Penta-brid 5MP 1U 2HDDs WizSense Digital Video Recorder



Functions

Face Recognition

Face Recognition technology extracts the features of captured faces and compares them with that in face database.

*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

With intelligent algorithm, Smart Motion Detection technology can categorize the targets that trigger motion detection and filter the motion detection alarm triggered by non-concerned targets to realize effective and accurate alarm.

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

QuickPick 2.0

By employing the back-end perimeter protection algorithm, QuickPick 2.0 not only retains the capability to identify the color of clothing and vehicles, which was offered by its predecessor QuickPick 1.0, but it also possesses the enhanced ability to detect various types of hats, clothing and vehicles, thus greatly improving the accuracy of the search function.

*QuickPick 2.0 takes effect when Quick Pick is enabled in AI Mode.

Irregular Black Block Masking

Black block masking function supports the use of irregular shapes for masking, ensuring privacy in public and private locations.

HDMI (4K)

The HDMI port can support up to 4K output, delivering clear and highly detailed images.

System	
Main Processor	Industrial-Grade Processor
Operating System	Embedded Linux
Operating Interface	Web; Local GUI
Quick Pick	
QuickPick 2.0 AI by Recorder (Number of Channels)	2 Channel
Perimeter Protection	
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
Face Detection	
Face Attributes	6 Attributes
Face Detection Performance of AI by Recorder (Number of Channels)	2 Channel (Up to 8 Face Images/s Each Channel)
Face Recognition	
Face Database Capacity	Up to 10 Face Databases with 10,000 Images.
Face Recognition Performance of AI by Recorder (Number of Channels)	2 Channel
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	24 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	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.
	2. TVI: 5 MP(2560 x 1944)@20 fps; 5 MP(2960 x 1665)@20 fps; 4 MP@25/30 fps; 1080p@25/30 fps; 720p@25/30 fps.
	3. AHD: 5 MP@20 fps; 4 MP@25/30 fps; 1080p@25/30 fps; 720p@25/30 fps.
IP Camera Input	Up to 24 Channels of IPC Access
	8 IP Channels by Default + 16 Channels (Analog Channels are Converted to IP Channels)
	Incoming Bandwidth 128 Mbps, Recording Bandwidth: 128 Mbps and Outgoing Bandwidth: 128 Mbps *After IP extension is enabled, Video Quality Analytics, Scene Changing, Face Recognition, Face Detection, SMD, Perimeter Protection and QuickPick 2.0 cannot be used.
Dual-Stream	Yes

Audio and Video	
Encoding Capacity	Encode Enhancement Disabled :
	Main Stream:
	Channels 1-2 5M-N@(1 fps-25 fps), Others 5M-N@(1 fps-12 fps);
	Channels 1-2 4M-N/1080p@(1 fps-25/30 fps), Others 4M-N/1080p@(1 fps-15 fps);
	1080N/720p/960H/D1/CIF@(1 fps-25/30 fps);
	Sub Stream: D1/CIF@(1 fps-15 fps);
	Encode Enhancement Enabled :
	Main Stream:
	8-Ch 5 MP@(1 fps-12 fps)/5M-N@(1 fps-25 fps), others 5M-N@(1 fps-12 fps);
	8-Ch 4M-N/1080p@(1 fps-25 fps), others 4M-N@(1 fps-15 fps)/1080p@(1 fps-12 fps); 1080N/720p/960H/D1/CIF@(1 fps-25/30 fps)
Sub Stream: D1/CIF@(1 fps-15 fps);	
It Changes to D1/CIF@(1 fps-7 fps) When Main Stream is 5 MP/5M-N/4M-N/1080p.	
*When Encode Enhancement is Enabled, Video Quality Analytics, Scene Changing, Face Recognition, Face Detection, Perimeter Protection and QuickPick 2.0 Cannot be Used.	
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, 2560 × 1440, 1920 × 1080, 1280 × 1024, 1280 × 720
	VGA: 1920 × 1080, 1280 × 1024, 1280 × 720
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
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 24.06 (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 Port, 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 (10/100/1000 Mbps Ethernet Port, RJ-45)
General	
Power Supply	12 VDC, 4 A
Power Consumption	<12 W (Without HDD)
Net Weight	1.80 kg (3.97 lb)
Gross Weight	2.86 kg (6.31 lb)
Product Dimensions	375.0 mm × 289.6 mm × 53.0 mm (14.76" × 11.40" × 2.09") (W × D × H)
Packaging Dimensions	427.0 mm × 137.0 mm × 356.0 mm (16.81" × 5.39" × 14.02") (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

Dimensions (mm)

