

XVR5104-5M-I3/T

4CH Penta-brid 5MP Compact 1U 1HDD WizSense Digital Video Recorder



Functions

Two-way talk

Allows for seamless communication between the camera, client and recorder over coaxial cable, and offers instant voice intercom and timely audio alerts.

Enhanced Encoding

Encoding Enhancement mode optimizes videos through real-time encoding to make them smoother and improve scene rendering.

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.

AcuPick

This industry-leading search technology effectively utilizes back-end intelligence to help with searching through massive video data to quickly and conveniently locate targets with greater precision.

*AcuPick takes effect when AcuPick 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.

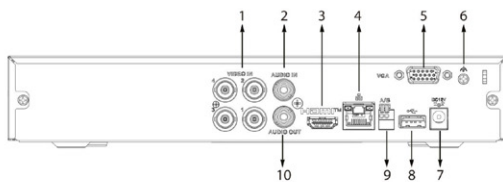
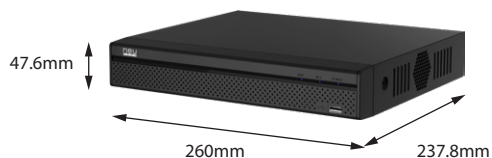
*SMD Plus takes effect when SMD or IVS&SMD is selected in AI Mode.

System	
Main Processor	Industrial-Grade Processor
Operating System	Embedded Linux
Operating Interface	Web; Local GUI
AcuPick	
AcuPick Performance of AI by Recorder (1080P) (Number of Channels)	4 Channels
Perimeter Protection	
Perimeter Performance AI by Recorder (Number of Channels)	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 Channels
SMD	
SMD by Recorder	4 Channels: Secondary Filtering for Human and Vehicle, Reducing False Alarms Caused by Leaves, Rain and Lighting Condition Change
SMD by Camera	6 Channels
AI Video Quality Analytics	
AI Video Quality Analytics by Recorder	4 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	4 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 6 Channels of IPC Access
	2 IP Channels by Default + 4 Channels (Analog Channels are Converted to IP Channels)
	Incoming Bandwidth 32 Mbps, Recording Bandwidth: 32 Mbps and Outgoing Bandwidth: 32 Mbps
	*After IP Extension is Enabled, Video Quality Analytics, Scene Changing, Face Recognition, Face Detection, SMD, Perimeter Protection and AcuPick Cannot be Used.

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:
	5 MP@(1 fps-12 fps); 5M-N/4M-N/1080p@(1 fps-25 fps);
	1080N/720p/960H/D1/CIF@(1 fps-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.
	*When Encode Enhancement is Enabled, Video Quality Analytics, Scene Changing, Face Recognition, Face Detection, Perimeter Protection and QuickPick 2.0 Cannot be Used.
Dual-Stream	Yes
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
	When IP Extension Mode Enabled: 1/4/6
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 24.12 (Profile T; Profile S; Profile G); CGI; SDK
Browser	Chrome; IE; Safari; Edge; Firefox
Recording Playback	
Record Mode	General; Alarm; Motion Detection; Intelligent
Recording Playback	1/4
Backup Method	USB Device and Network
Playback Mode	Instant Playback; General Playback; Event Playback; Tag Playback; Smart Playback
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 4-Channel BNC (Coaxial Audio)
Audio Output	1-Channel RCA
Two-Way Talk	Coaxial Two-Way Talkc: 8-Channel BNC Local and Network User Two-Way Talk : Shares The Same Audio Input With The First Channel
Disk Interface	1 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 Mbps Ethernet Port, RJ-45)
General	
Power Supply	12 VDC, 1.5 A
Power Consumption	<5 W (Without HDD)
Net Weight	0.84 kg (1.85 lb)
Gross Weight	1.41kg (3.11 lb)
Product Dimensions	260.0 mm × 237.8 mm × 47.6 mm (10.24" × 9.36" × 1.87") (W × D × H)
Packaging Dimensions	344.0 mm × 89.0 mm × 287.0 mm (13.54" × 3.50" × 11.30") (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)



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|---------------|-----------------------------|
| 1 VIDEO IN | 2 AUDIO IN, RCA Connector |
| 3 HDMI Port | 4 Network Port |
| 5 VGA Port | 6 Ground |
| 7 Power Input | 8 USB Port |
| 9 RS-485 Port | 10 AUDIO OUT, RCA Connector |