

XVR5104-I3

4 Channel Penta-brid 5M-N/1080p Compact 1U 1HDD 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

Extract and classify person and vehicles from massive video data, easy for end users to trace historical information and analyze. Person & Vehicle optional for playback to achieve quick target search, saving event retrieval time.

System	
Main Processor	Embedded Processor
Operating System	Embedded LINUX
Perimeter Protection	
Performance	1 Channels, 10 IVS for Each Channel
Object Classification	Human/Vehicle Secondary Recognition for Tripwire and Intrusion
AI Search	Search by Target Classification (Human, Vehicle)
Face Detection	
Performance	Max 8 Face Pictures/Sec Processing 1 Channels Video Stream Face Recognition, Only Support Analog Camera
Stranger Mode	Detect Strangers' Faces (Not in Device's Face Database). Similarity Threshold Can be Set Manually.
AI Search	Up to 8 Target Face Images Search at Same Time, Similarity Threshold Can be Set for Each Target Face Image.
Database Management	Up to 10 Face Databases with 10,000 Face Images in Total. Name, Gender, Birthday, Address, Certificate Type, Certificate No., Countries® ions and State Can be Added to Each Face Picture.
Database Application	Each Database Can be Applied to Video Channels Independently .
Trigger Events	Buzzer, Voice Prompts, Email, Snapshot, Recording, Alarm Out, PTZ Activation, Etc.
SMD Plus	
Performance	4 Channels
AI Search	Search by Target Classification (Human, Vehicle)
Video and Audio	
Analog Camera Input	4 Channel, BNC
HDCVI Camera	5MP, 4MP, 1080P@25/30fps, 720P@50/60fps, 720P@25/30fps
AHD Camera	5MP, 4MP, 3MP, 1080P@25/30, 720P@25/30fps
TVI Camera	5MP, 4MP, 3MP, 1080P@25/30, 720P@25/30fps
CVBS Camera	PAL/NTSC
IP Camera Input	4+2 Channel, Each Channel Up to 6MP
Audio In/Out	1/1, RCA
Two-way Talk	Reuse Audio In/Out, RCA
Recording	
Compression	AI Coding/H.265+/H.265/H.264+/H.264
Resolution	5M-N, 4M-N, 1080P, 1080N, 720P, 960H, D1, CIF
Record Rate	Main Stream: All channel 5M-N (1fps-10fps); 4M-N/1080P (1fps-15fps); 1080N/720P/960H/D1/CIF (1fps-25/30fps) Sub Stream: D1/CIF (1fps-15fps)
Bit Rate	32Kbps-6144Kbps Per Channel

Recording	
Record Mode	Manual, Schedule (General, Continuous), MD (Video detection: Motion Detection, Video Loss, Tampering), Alarm, Stop
Record Interval	1–60 Min (Default: 60 Min), Pre-Record: 1 Sec–30 Sec, Post-Record: 10 Sec–300 Sec
Audio Compression	G.711A, G.711U, PCM
Audio Sample Rate	8KHz, 16 bit Per Channel
Audio Bit Rate	64Kbps Per Channel
Display	
Interface	1 HDMI ,1 VGA
Resolution	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
OSD	Camera Title, Time, Video Loss, Camera Lock, Motion Detection, Recording
Network	
Interface	1 RJ-45 Port (100MB)
Network Function	HTTP; HTTPS; TCP/IP; IPv4/IPv6; Wi-Fi; 3G/4G; SNMP; UPnP; RTSP; UDP; SMTP; NTP; DHCP; DNS; IP Filter; PPPoE; DDNS; FTP; Alarm Server; P2P; IP Search (Supports Dahua IP camera, DVR, NVS, etc.)
Max. User Access	128 Users
Smart Phone	iPhone, iPad, Android
Interoperability	ONVIF 16.12, CGI Conformant
Video Detection and Alarm	
Trigger Events	Recording, PTZ, Tour, Video Push, Email, FTP, Snapshot, Buzzer and Screen Tips
Video Detection	Motion Detection, MD Zones: 396 (22 × 18), Video Loss, Tampering and Diagnosis
Alarm input	N/A
Relay Output	N/A
Playback and Backup	
Playback	1/4
Search Mode	Time /Date, Alarm, MD and Exact Search (Accurate to Second)
Playback Function	Play, Pause, Stop, Rewind, Fast play, Slow Play, Next File, Previous File, Next Camera, Previous Camera, Full Screen, Repeat, Shuffle, Backup Selection, Digital Zoom
Backup Mode	USB Device/Network
Storage	
Internal HDD	1 SATA Ports, Up to 6TB Capacity
eSATA	N/A
Auxiliary Interface	
USB	2 USB Ports (USB 2.0)
RS232	N/A
RS485	1 Port, for PTZ Control
Electrical	
Power Supply	DC 12V/1.5A
Power Consumption (Without HDD)	<4W
Construction	
Dimensions	Compact 1U, 260.0 mm × 237.9 mm × 47.6 mm (10.24" × 9.37" × 1.87")
Net Weight (Without HDD)	0.84 kg (1.85 lb)
Gross Weight	1.37 kg (3.02 lb)
Installation	Desktop Installation

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Environmental	
Operating Conditions	-10°C to +45°C (+14°F to +113°F), 10%–90% RH
Storage Conditions	-20°C to +70°C (-4°F to +158°F) , 0–90% RH
Third-party Support	
Third-Party Support	Dahua, Arecont Vision, AXIS, Bosch, Brickcom, Canon, CP Plus, Dynacolor, Honeywell, Panasonic, Pelco, Samsung, Sanyo, Sony, Videotec, Vivotek, and More.

Dimensions (mm)

