Onvif

Functions

Face Recognition
Face Recognition technology extracts the features of captured faces and compares them with that in face database to recognize the person identity.
*Face Recognition conflicts with SMD Plus and Perimeter Protection.

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

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.

Scheduled AI
This technology allows multiple AI functions to be set for one channel based on time frames, eliminating the need to manually configure the system to switch between functions each time. Scheduled AI greatly increases efficiency and widens the number of scenarios that the device can be used in.

Smart Dual Illuminators
With Smart Dual Illuminators technology, you can select Smart Illumination Mode for the system to automatically switch between IR mode and white light mode. It allows white light to be turned on when a target is detected by the SMD Plus/Perimeter Protection function of AI-enabled XVR. This significantly reduces light pollution at night. Together with other modes, including IR Mode and White Light Mode, the smart dual illumination technology can meet the requirements of a wide variety of scenes.

One-click Arming/Disarming
With just one click, you can enable or disable alarm linkages to show messages, send emails, output audio alarms and more, through the mobile app and platform.

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Customizable Alarm Audio
Designed for your convenience, the TiOC alarm can be customized to meet your needs. It is flexible, allowing you to directly upload your customized audio through the mobile app and XVR.

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.

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

System	
Main Processor	Industrial-Grade processor
Operating System	Embedded Linux
Operating Interface	Web; Local GUI
Perimeter Protection	
Perimeter Performance AI by Recorder (Number of Channels)	Advanced Model: 2 Channels, 10 IVS for Each Channel
	General Model: 8 Channels, 10 IVS for Each Channel
Face Detection	
Face Attributes	Gender; Age Group; Glasses; Expressions; Face Mask; Beard
Face Detection Performance of AI by Recorder (Number of Channels)	2 Channels (Up to 12 Face Images/s)
Face Recognition	
Face Database Capacity	Up to 10 Face Databases with 10,000 Face Images in Total. Name, Gender, Birthday, Address, Certificate Type, Cerificate No., Countries & Regions and State Can be Added to Each Face Image
Face Recognition Performance of AI by Recorder (Number of Channels)	2 Channels
SMD Plus	
SMD Plus by Recorder	16 Channels: 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	32 BNC Ports, Supports HDCVI/AHD/TVI/CVBS Auto-Detect
Camera Input	1. CVI: 5 MP, 4 MP, 1080p@25/30 fps, 720p@50/60 fps; 720p@25/30 fps.
	2. TVI: 5 MP, 4 MP, 1080p@25/30 fps; 720p@25/30 fps.
	3. AHD: 5 MP, 4 MP, 1080p@25/30 fps; 720p@25/30 fps.
IP Camera Input	Up to 32 Channels of IPC Access
	32 Channels (Aanalog Channels are Converted to IP Channels)
	Incoming Bandwidth: 128 Mbps, Recording Bandwidth: 128 Mbps and Outgoing Bandwidth: 128 Mbps
Encoding Capacity	Main Stream: 5M-N@(1fps–10fps); 4M-N, 1080p@ (1fps–15fps); 1080N, 720p, 960H, D1, CIF@(1fps–25/30fps)
	Sub Stream: D1, CIF@(1fps–15fps)
Dual-Stream	Yes
Video Bit Rate	32 kbps–6144 kbps
Audio Sampling	8 kHz, 16 bit
Audio Bit Rate	64 kbps

Audio and Video	
Video Output	2 HDMI, 1 VGA, 1 TV
	Resolution
	VGA/HDMI2: 1920 × 1080, 1280 × 1024, 1280 × 720
	HDMI1: 3840 × 2160, 1920 × 1080, 1280 × 1024, 1280 × 720
	*Heterogeneous Video Sources Output for HDMI2 is Configurable.
Multi-Screen Display	1/4/8/9/16/25/36
Third-Party Camera Access	ONVIF; Panasonic; Sony; Axis; Arecont; Pelco; Canon; Samsung
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	iOS; Android
Interoperability	ONVIF 21.12; CGI
Browser	Chrome, IE9 or Later, Firefox
Network Mode	Single-Address Mode
Recording Playback	
Record Mode	General, Motion Detection; Intelligent; Alarm; 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 (Face and Motion Detection)
Storage	
Disk Group	Yes
Alarm	
General Alarm	Motion Detection; Video Loss; Tampering; Local Alarm
Anomaly Alarm	No Disk; Storage Error; Disk Full; Camera 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	
TV Output	Yes
Audio Input	4-Channel BNC (External)
	32-Channel BNC (Coaxial Audio)
Audio Output	1-Channel BNC
Two-Way Talk	1-Channel BNC
Alarm Input	16 Channels
Alarm Output	6 Channels
HDD Interface	4 SATA Ports, Up to 16TB for a Single HDD, The Maximum HDD Capacity Varies With Environment Temperature
eSATA	1
RS-232	1 Port, for PC Communication & Keyboard
RS-485	1 Port, for PTZ Control
USB	3 (1 Front USB 2.0 Port, 2 Rear USB 3.0 Ports)
HDMI	2
VGA	1
Network Port	1 (10/100/1000 Mbps Ethernet Port, RJ-45)

XVR5432L-I3

General	
Power Supply	100-240 VAC, 50/60 Hz
Power Consumption	<22 W
Net Weight	4.8 kg (10.58 lb)
Gross Weight	7.1 kg (15.65 lb)
Product Dimensions	1.5U, 440.0 mm × 420.2 mm × 76.0 mm
	(17.32" × 16.54" × 2.99") (W × D × H)
Packaging Dimensions	529.0 mm × 499.0 mm × 211.0 mm
	20.83" × 19.65" × 8.31" (W × D × H)
Operating Temperature	−10 °C to +55 °C (14 °F to +131 °F)
Operating Humidity	10%–90% (RH)
Installation	Rack or Desktop

Dimensions (mm)

76mm

440mm

420.2mm