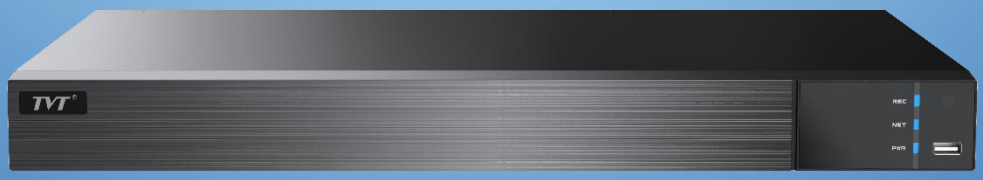
TVT

Secure The World With You

NVR

16CH PoE NVR

16MP/12MP/8MP/6MP/5MP/4MP/3MP/1080P/720P HD NVR



TD-3316H2-16P-B3-XS

4K Output | HD IPC | DDNS | Network | PTZ | Audio | MIC | Mobile | CMS | USB | Mouse | E-mail | STD | FR | VCA

This series of multi-channel large-model NVR products is a high-end video surveillance analysis device that integrates cutting-edge artificial intelligence technologies and efficient data processing capabilities. Positioned to address surveillance challenges in large-scale and complex scenarios, it aims to provide one-stop intelligent surveillance solutions for users across various industries, transforming traditional surveillance from simple video recording into a comprehensive security management model featuring intelligent perception, precise analysis and rapid retrieval.

en.tvt.net.cn

For more information, please visit our website

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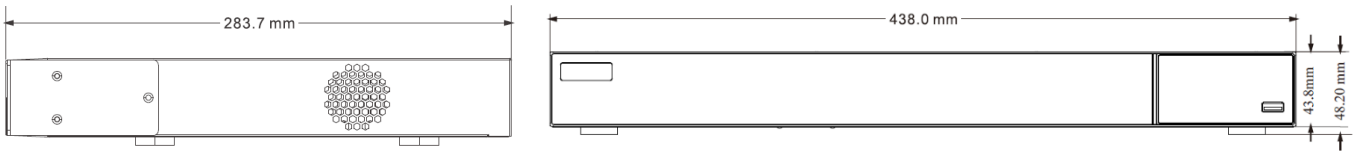
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Features

- Support 16CH 16MP/12MP/8MP/6MP/5MP/4MP/3MP/1080P/1280×1024/960P/720P/960H/D1/CIF IP input
- H.265S/H.265+/H.265/H.264 coding
- Intuitive and user-friendly Graphic User Interface (GUI), Windows style operation by mouse
- Multi-mode recording: manual / timed / motion / sensor/ POS / AI recording
- Playback: 16 CH simultaneous playback
- Support face detection and comparison
- Support time-sliced, time, event, tag, and target search
- Support PicSearch and TextSearch. Based on multimodal large models, it enables rapid matching between semantics and images with second-level response speed.
- Support multiple VCA (Video Content Analytics) events, such as region intrusion, line crossing, etc.
- Support OS information overlay on live view and playback
- Express and flexible backup via USB, network and so on
- Preview, record, playback, backup and remote access are supported
- DHCP, DDNS, PPPoE network protocol, etc.
- Compatible with third-party IPCs, such as ONVIF, Hikvision, etc.
- Remote control via Web Client or CMS: preview, playback, backup, PTZ and configuration
- Multi-user online simultaneously
- Authorization management, log view and device status view
- 4K output, true high-resolution display
- Support 16CH PoE IPC direct connection to NVR via PoE ports
- Support PTZ preset and auto cruise, up to 255 presets and 8 cruises
- Support NAT function and QR Code scanning by mobile phones
- Powerful mobile surveillance by smart phones with iOS and Android OS

Dimensions



Specifications

Model		TD-3316H2-16P-B3-XS
System	OS	Embedded Linux
Video	IP Video Input	16CH
	Network Bandwidth	Incoming: 192Mbps/Outgoing: 192Mbps
		*When the AI function of the IPC is enabled, the actual incoming bandwidth (max. bitrate) is more than the set value in the NVR.
	Resolution	16MP/12MP/8MP/6MP/5MP/4MP/3MP/1080P/1280x1024/960P/720P/960H/D1/CIF
	Output	HDMI1: 3840×2160, 1920×1080, 1280×1024, 1024×768 HDMI2: 1920×1080, 1280×1024, 1024×768 VGA×1: 1920×1080, 1280×1024, 1024×768 (VGA can be set to output the same or different video source with HDMI)
	Multi-screen Display	Main output: 1/4/6/8/9/13/16 AUX output: 1/4/6/8/9 Max.25 (16+9)
	Compression	H.264/H.265/H.265+/H.265S
Audio	Network input	16CH
	Local Input	RCA×1 (for two-way talk)
	Local Output	RCA×1
	Compression	G.711(U/A)
Record	Resolution	16MP/12MP/8MP/6MP/5MP/4MP/3MP/1080P/1280x1024/960P/720P/960H/D1/CIF
	Frame Rate	N:30fps; P:25fps
Cloud Storage	Number of Channels	8CH
	Record	Resolution: 1080P/720P
		Frame Rate: 15fps
	*AI by NVR: cloud storage not supported	
Playback	Simultaneous Playback	16CH
	Search	Time-sliced/time/event/target/target search
	Function	Play, pause, FF, Rewind, digital zoom, previous frame, next frame, etc.
Decoding Capability	Live View/ Playback	AI off: 1×16MP@30fps, 4×8MP@30fps, 9×3MP@30fps, 16×2MP@30fps AI on: 1×16MP@30fps, 4×6MP@30fps, 9×2MP@30fps, 16×2MP@30fps
Alarm	Mode	Manual, sensor, motion, exception, smart events, etc.
	Input	8CH
	Output	4CH
	Triggering	Record, snapshot, preset, e-mail, etc.
Face	Face Detection Performance (AI by IPC)	16CH
	Face Detection Performance (AI by NVR)	2CH (2MP) or 2CH (4MP) or 1CH (8MP)
	Face Match Performance	6CH
	Comparison Capability	18 pictures/second
	Face Picture Database	32 libraries Up to 1, 000 face pictures when each picture is ≤15KB
	Face Picture Search	Search by picture is supported
	Database Management	Add, modify, delete and search face pictures
	Face Picture Adding	Add face pictures through APP, WEB and external import
	Face Picture Comparison	Supports successful face recognition alarm and stranger match alarm
	Track	Track display on a map

	Statistical Graph of Information	Bar graph
	Statistical Mode of Information	Statistics by day, week, month, quarter as well as customized time period
Perimeter Protection	Human/Vehicle Classification (AI by IPC)	16CH
	Human/Vehicle Classification (AI by NVR)	2CH (2MP) or 2CH (4MP) or 1CH (8MP)
Video Metadata	Human/Vehicle Attribute Analysis (AI by IPC)	Yes
PicSearch	AI by IPC	16CH
	AI by NVR	2CH (2MP) or 2CH (4MP) or 1CH (8MP)
TextSearch	AI by IPC	All Channels: IPCs enable the video metadata function: 280, 000 targets/day All Channels: IVD IPCs: 150, 000 targets/day
	*Only support English	
Other Functions	Fisheye	Supports fisheye dewarping via NVR/Web Client/mobile APP
	Plate Recognition (AI by IPC)	Yes (License plate database: up to 5000 plate numbers)
Network	Protocol	TCP/IP, HTTP, HTTPS, 802.1x, FTP, DHCP, DDNS, RTP, RTSP, RTCP, NTP, UPnP, SMTP, IPv6, UDP, WebSocket, PPPoE, SNMP, IGMP
	Interface	RJ45 10/100/1000Mbps×2
	Client Connection	Max. 64 users access
PoE	PoE Port	RJ 45 100Mbps×16
	Standard	IEEE802.3AF/AT
	Output Power	≤ 240W
Mobile Device	OS	iOS, Andriod
Storage	HDD Interface	SATA3.0 × 2, max 16TB per HDD
Port	USB	USB3.0×1; USB2.0×2
	RS485	Yes (full-duplex)
	Remote Controller	Optional
Others	Power	AC100~240V 60W+240W(POE)
	Consumption	≤ 20W (without HDD and PoE)
	Dimensions (mm)	283.7 × 438 × 43.8 (W × D × H)
	Certificate	CE, FCC
	Environmental Protection	Directive EU RoHS, WEEE, and REACH
	Working Environment	-10~50℃; Humidity: 10%~90%

Rear Panel

