

# TDNVR64-K-AIL

64 Channel 2U 8HDDs Network Video Recorder



- Smart H.265+/H.265/Smart H.264+/H.264/MJPEG
- · Up to 4 Channel video metadata
- Up to 12 Channel perimeter protection, SMD Plus
- Up to 4 Channel video stream face recognition
- Up to 16 face pictures/sec processing
- Up to 20 face databases with 200,000 face images in total

#### **Functions**

#### **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.

#### Video Metadata

With deep learning algorithm, Video Metadata technology can detect, track, capture vehicle, non-motor vehicle and people, and select the best images, and extract attributes.

#### **ANPR by Camera**

With deep learning algorithm, ANPR technology can recognize the number plate information of vehicles in the image with ANPR cameras. Support block/allow list mode, searching target vehicles from recorded video.

#### **People Counting by Camera**

With deep learning algorithm, People Counting technology can track and process moving human body targets to realize the accurate statistics of enter No., leave No., and In Area No. Working with management platform, it outputs yearly/monthly/weekly/daily reports to meet your requirements.

#### Stereo Analysis by Camera

With deep learning algorithm and scene 3-dimensional information, Stereo Analysis technology can recognize people's behaviors, such as fall detection, violence detection, strand detection, and space exception, and then generates alarm signals and triggers linkage.



#### **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.

#### **Face Recognition**

ToughDog's Face Recognition technology extracts the features of captured faces and compares them with that in face database to recognize the person identity.

## TDNVR64-K-AIL

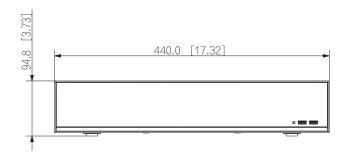
Technical Specification		Resolution	24MP, 16MP, 12MP, 8MP, 6MP, 5MP, 4MP, 3MP, 1080P, 1.3MP, 720P, D1 etc.	
System		Record Mode	Manual, Schedule (Continuous, MD (Motion Detection),	
Main Processor	Multi-core embedded processor	Record Interval	Alarm, IVS)  1–120 min (default: 60 min), Pre-record: 1–30 sec, Post-	
Operating System	Embedded LINUX		record: 10–300 sec	
Perimeter Protection		Raid Support	Raid0,Raid1,Raid5,Raid10	
Performance	12 channel, 10 IVS rules for each channel	Video Detection an		
Object classification	Human/Vehicle secondary recognition for tripwire and intrusion	Trigger Events	Alarm Out, Video Push, Email, Recording, PTZ, Tour, Snapshot, Voice Prompt, Buzzer and Screen Tips	
Al Search	Search by target classification (Human, Vehicle)	Video Detection	Motion Detection, MD Zones: 396 (22 $\times$ 18), Video Loss, Tampering and Scene Change	
Face Recognition		Alarm input	16 Channel	
Performance	Max 16 face pictures/sec processing (modeling and comparing)	Relay Output	6 Channel	
	4 channel video stream face recognition/16 channel	Playback and Backup		
	picture stream face recognition (with FD camera)  Detect strangers' faces (not in device's face database).	Sync Playback	1/4/9/16	
Stranger Mode	Similarity threshold can be set manually.	Search Mode	Time/Date, Alarm, MD and Exact Search (accurate to second)	
Al Search	Up to 8 target face images search at same time, similarity threshold can be set for each target face image.	Backup Mode	USB Device/Network	
Database Management	Up to 20 face databases with 200,000 face images in total. Name, gender, birthday, nationality, address, ID	Third-party Suppor	t	
Database Application	information can be added to each face picture.  Each database can be applied to video channels	Third-party Support	Panasonic, Sony, Samsung, Axis, Pelco, Arecont, Onvif, Canon and more	
	independently.  Buzzer, Voice Prompts, Email, Snapshot, Recording,	Network		
Trigger Events	Alarm Out, PTZ Activation, etc.	Interface	2 RJ-45 Ports (10/100/1000 Mbps)	
Metadata		PoE	N/A	
Face	Gender, age, glasses, beard, mouth mask, expression.		HTTP, HTTPS, TCP/IP, IPv4/IPv6, UPnP, SNMP, RTSP, UDP,	
Vehicle	Plate No., type, color, vehicle type, logo, plate color, ornament, calling, seatbelt, region.	Network Protocol	SMTP, NTP, DHCP, DNS, IP Filter, PPPOE, DDNS, FTP, Alarm Server, IP Search (Support Dahua IP camera, DVR, NVS, etc.), P2P	
Human Body	Top, top color, bottom, bottom color, hat, bag, gender,	Max. User Access	128 users	
·	age, umbrella.	Mobile App	iPhone, iPad, Android	
Non-motor Vehicle	Type, color, number of passengers, helmet.	Interoperability	ONVIF 2.4, SDK, CGI	
Al Search	Support search target video by metadata.	Storage		
Audio and Video		Internal HDD	8 SATA III ports, up to 10 TB for a single HDD. The maximum HDD capacity varies with environment	
IP Camera Input	64 Channel	Internal 1100	temperature	
Two-way Talk	1 Channel Input, 1 Channel Output, RCA	eSATA	1 eSATA	
Display		Auxiliary Interface	Auxiliary Interface	
Interface	2 HDMI, 1 VGA	USB	4 USB Ports (2 Rear USB 3.0, 2 Front USB 2.0)	
Resolution	HDMI1/VGA: 1920 × 1080, 1280 × 1024, 1280 × 720	RS232	1 Port, for PC Communication and Keyboard	
	HDMI2: 3840 × 2160, 1920 × 1080, 1280 × 1024, 1280 × 720	RS485	1 Port, for PTZ Control	
Decoding Capability	4-ch@8MP (30fps), 16-ch@1080P (30fps)	Electrical		
Multi-screen Display	1st Screen: 1/4/8/9/16/25/36 2nd Screen: 1/4/8/9/16	Power Supply	Single, AC100V–240V, 50–60 Hz	
Recording		Power Consumption	NVR: <16.1W (Without HDD)	
Bandwidth	320 Mbps (160 Mbps when AI function enabled)	Fan	Smart fan, automatically adjust running speed	
Compression	Smart H.265+/H.265/Smart H.264+/H.264/MJPEG	Environmental		
1	, , , , , , , , , , , , , , , , , , , ,	Operating Conditions	-10°C to +55°C (+14°F to +131°F), 86–106kpa	

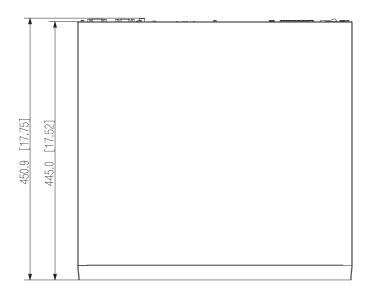
## TDNVR64-K-AIL

Storage Conditions	0°C to +40°C (+32°F to +104°F), 30–85% RH			
Construction				
Dimensions	2U, 439.7 mm × 451.0 mm × 94.9 mm (17.31" × 17.75" × 3.73")			
Net Weight	6.70 kg (14.8 lb) (without HDD)			
Gross Weight	9.30 kg (20.5 lb) (without HDD)			
Certifications				
CE	EN55032, EN55024, EN50130-4, EN62368-1			
FCC	Part 15 Subpart B, ANSI C63.4-2014			

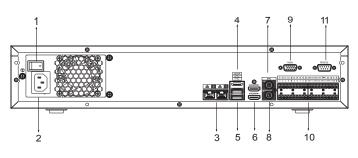
Ordering Information				
Туре	Model	Description		
64 Channel NVR	TDNVR64-K-AIL	64 Channel 2U 8HDDs Network Video Recorder		

### Dimensions (mm[inch])





### **Panels**



- 1 Power Switch
- 3 Netwrok Ports
- 5 USB Ports
- 7 AUDIO OUT, RCA Connector
- 9 VGA Port
- 11 RS-232 Port

- 2 Power Input
- 4 eSATA Port
- 6 HDMI Ports
- 8 AUDIO IN, RCA Connector
- 10 Alarm In/Out