Tiandy

TC-R3820 Spec: I/F/N
H.265 8HDD 20ch Face Recognition NVR

AI Series

KEY FEATURES

HD Input
- S+265/H.265/H.264 video compression
- Connectable to the third-party network cameras
- Up to 20-channel input
- Supports live view, storage, and playback of the connected camera at up to 12MP resolution

HD Output
- HDMI and VGA independent outputs
- HDMI Video output at up to 4K (3840 × 2160) resolution

HD Storage
- 8 SATA interfaces, up to 10TB for each HDD
- S+265 compression effectively reduces the storage space and costs by up to 75%

HD Transmission
- 2 self-adaptive 10/100/1000 Mbps network interface

Various Applications
- Centralized management of IP cameras, including configuration, information import/export, real-time information display, two-way audio, upgrade, etc.
- 1:N face recognition.
- Connectable to smart IP cameras from Tiandy and the recording, playing back, and backing up of VCA alarms can be realized
- VCA detection alarm is supported
- Smart search for the selected area in the video; and smart playback to improve the playback efficiency
- Web6 supports plug-in-free browsing; and can preview videos on all browsers"
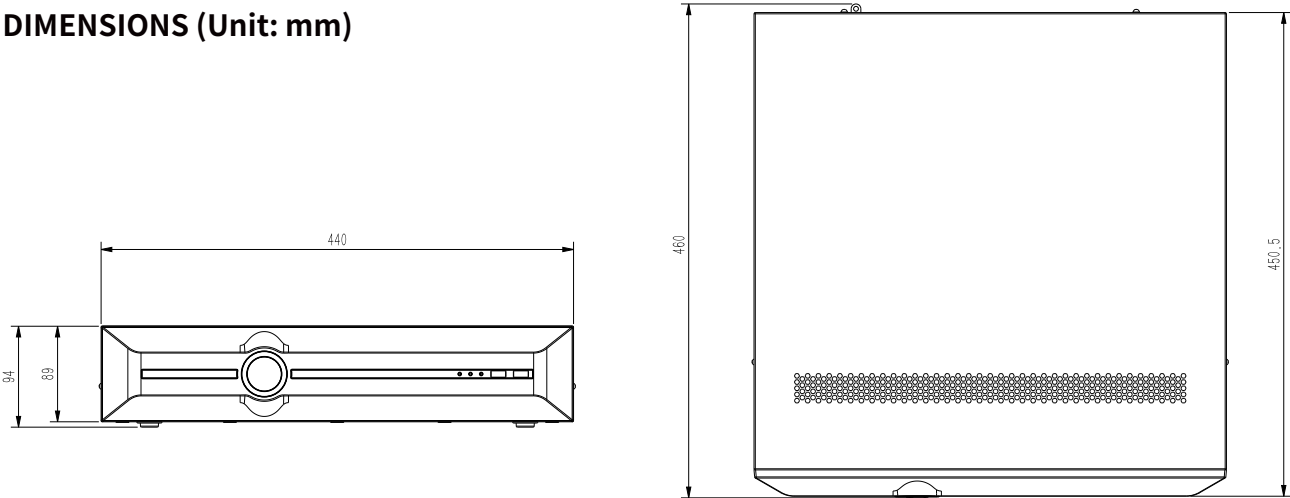
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SPECIFICATIONS

Input	
Video Input	20-ch
Max Resolution	12MP
Two-way Audio Input	1-ch, 3.5mm
Bandwidth	Income 400Mbps; Outcome 200Mbps
Output	
HDMI/VGA Output	HDMI: 2-ch, 3840×2160, 2560×1600, 2560×1440, 1920×1080, 1280×720, 800×600, 1024×768, 1366×768, 1440×900, 1280×800 VGA:2-ch, 1920×1080, 1280×720, 800×600, 1024×768, 1366×768, 1440×900, 1280×800
Screen Split	1/3/4/6/8/9/10/13/16/20/25
Audio Output	1×3.5mm, 1×BNC
Decoding	
Decoding Format	S+265H.265/H.264
Recording Resolution	12MP/8MP/5MP/4MP/1080p/960p/720p/D1/2CIF/CIF
Preview Capability	2×12MP, 3×4K, 5×5MP, 7×4MP, 15×1080P, 30×720P, 20×4CIF
Synchronous Playback	2×12MP, 3×4K, 5×5MP, 7×4MP, 15×1080P, 16×720P
Records Encryption	Yes
Hard Disk	
SATA	8 SATA interfaces for 8 HDDs
Capacity	Up to 10TB for each HDD
eSATA Interface	1 SATA interface
Array Type	JBOD,RAID0/1/5/10
External Interface	
Network Interface	2×RJ45 self-adaptive 10/100/1000 Mbps network interfaces
USB Interface	2×USB 2.0, 1×USB 3.0
Serial Interface	2×RS485, 1×RS232
Alarm In/Out	16/4
Reliablity	
N+M Hot Standby	Yes
ANR	Yes
Face Recognition	
Base Libraries	32
Face Pictures	50,000
Video Stream for Recognition	8
Picture Stream for Recognition	16
Face Picture Search	Yes
General	
Web Version	Web6
Language	English, Simple Chinese
Operating Conditions	-10℃ ~ 55℃, 10%~90% RH
Power Supply	AC100~240V , 50/60HZ
Consumption (without HDD)	≤100W (without HDD)
Chassis	2U
Dimensions	94×440×460 mm (3.7×17.32×18.11 inch)
Weight (without HDD)	7.2Kg (15.87lb)

AVAILABLE MODEL
TC-R3820 SPEC: I/F/N

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DIMENSIONS (Unit: mm)

440

94
89

460

450.5

Physical Interfaces

CAUTION

To prevent the risk of electrical hazard, please do not disassemble the equipment by yourself. Detection and maintenance of the equipment need to be carried out by professionals.

AUD OUT

eSATA

LAN2
LAN1

VGA2   VGA1   HDMI2   HDMI1

RST

RS485   RS232   ALARM OUT

G G A1 B1 A2 B2   G R T G

G 1 2 3 4 5   6 7 8 9 10 11   12 13 14 15 16 G ALARM IN

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