Secure The Word With You

TD-N5104

Edge Box



TD-N5104 is an AI edge box developed independently by TVT. With the advanced deep-learning algorithm, it has powerful capability of video content analysis and extraction. Multiple intelligent analytics algorithms are supported, including face detection, face recognition, human body/ motor vehicle/non-motor vehicle detection and classification. It supports RTSP/1400 protocol, compatible with cameras of the major brands. As a result, the product can be widely used in different scenes, like smart construction site, restaurant, smart city, smart school, smart community, mixed lanes with pedestrian and vehicle lanes and so on.

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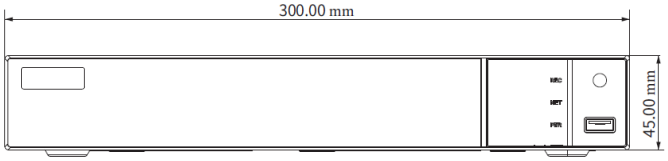
TD-N5104

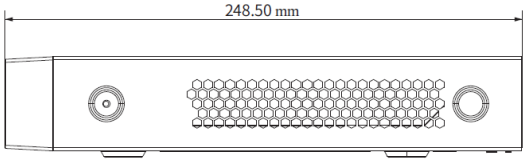
Edge Box

Features

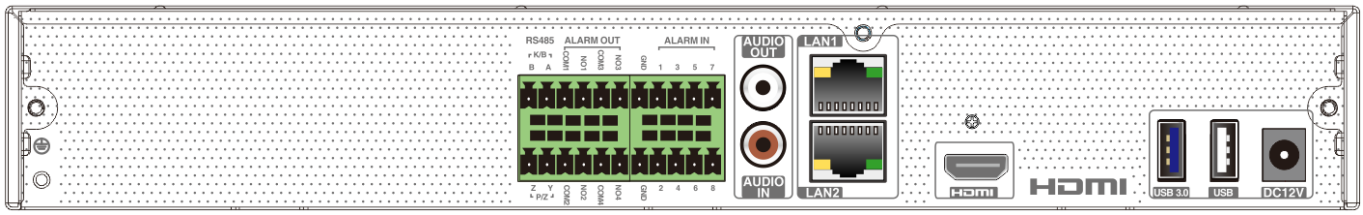
- Support video access via RTSP protocol
- A maximum of 4CH video input
- Support 8MP/6MP/5MP/4MP/3MP/1080P video input
- Support H.265S/H.265+/H.265/H.264 coding
- Support human/motor vehicle/non-motor vehicle detection, classification and feature extraction
- Support face capture and face feature extraction (like age, gender, whether to wear glasses/mask)
- Support edge computing, easy to use and cost-effective
- Support remote upgrade; module and algorithm can be updated
- The target attribute information can be displayed and stored in real time
- Supports search by attribute
- Industrial-grade design, stable and reliable
- The complete API business platform can satisfy higher business demands of customers.

Dimensions





Rear Panel



*All pictures and specifications are for reference only and are subject to change without prior notice

Specifications

System	Operation System	Linux
Video	IP Video Input	4CH
	Resolution	8MP/6MP/5MP/4MP/3MP/1080P/1280×1024/960P/720P
	Video Output	HDMI output; 1920×1080
	Video Compression	H.264/H.265/H.265+/H.265S
Audio	Network Input	4CH IPC audio input
	Local Input	RCA ×1 (for two-way audio)
	Local Output	RCA ×1
	Audio Compression	G.711(U/A)
Live View	Single Channel Display	Main stream display, up to 8MP@30
Face	Performance	Face detection: max.4CH video stream
		Max. 10 faces can be captured simultaneously in a single window
		Support feature extraction, like gender, age, mask-wearing status, glasses-wearing status
	Search	Support search by time/features
	Snapshot Mode	Snapshot when leaving, interval snapshot, comprehensive snapshot
Human/Motor Vehicle/Non-motor Vehicle Detection	Performance	A maximum of 4 CH detection A maximum of 4 rules can be set up
	Attribute Display	Backpack, upper clothing type, lower clothing type, hat, mask, vehicle color and brand, non-motor vehicle color and type
	Perimeter Protection	Region entrance/exiting/intrusion detection, line crossing detection
	People Counting	Yes
	Leaving Detection	Yes
Behavior Analysis	People Following	Yes
	People Intrusion	Yes
Snapshot Storage	Storage Type	EMMC
	Storage Capacity	500MB
Network	Protocol	TCP/IP, DHCP, HTTP, DNS, NTP, RTSP, HTTP, HTTPS, GA/T1400, MQTT, etc.
Interface	Network interface	1000M×2
	RS485	RS485×1, full-duplex
	Alarm	8CH alarm input; 4CH alarm output
	USB	USB2.0×2; USB3.0×1
	Dimensions（mm）	300×249×45
	Power	DC12/2A
	Certificate	CE、FCC
	Environment Protection	RoHS 2.0、REACH、WEEE
	Power Consumption	≤20W
	Working Environment	-10~50℃，10%~90%（humidity）

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