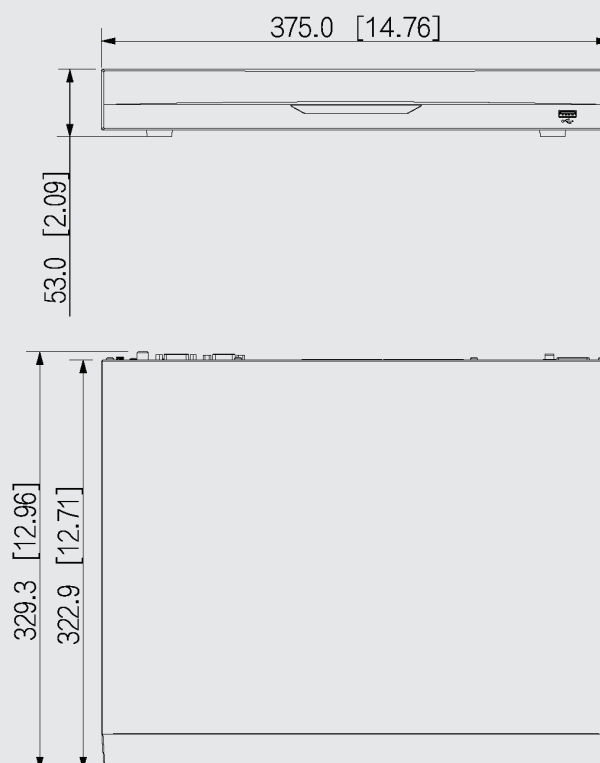




FEATURES

- Smart H.265+/H.265/Smart H.264+/H.264/MJPEG decoding format.
- Max. decoding capability: 16 × 1080p@30 fps
- Max. 384 Mbps incoming/recording/outgoing bandwidth.
- Support Smart Search with Max. 16-Channel.
- Support N+M cluster.
- AI by recorder: 2-channel face detection and recognition, 4-channel perimeter protection, and 8-channel Smart Motion.
- AI by camera: Face detection and recognition, perimeter protection, Ai Motion Plus, metadata, ANPR, and people counting.
- Security baseline 2.3.



TECHNICAL SPECIFICATIONS

System	Main Processor	Industrial-grade processor	Vehicle License Plate Comparison	ANPR by Camera (Number of Channels)	8 channels	
	Operating System	Embedded Linux		License Plate Database Capacity	1. Create up to 20,000 plate numbers. 2. Blocklist and allowlist	
	Operating Interface	Web, Local GUI				
AI	AI by Recorder	Face detection; face recognition; perimeter protection; Smart Motion	Access Channel		16	
	AI by Camera	Face detection; face recognition; video and non-motor vehicles); perimeter protection; Smart Motion; stereo analysis; crowd distribution; people counting;		Network Bandwidth	AI disabled: 384 Mbps incoming, 384 Mbps recording and 384 Mbps outgoing AI enabled: 200 Mbps incoming, 200 Mbps recording and 200 Mbps outgoing	
	Smart Search AI by Camera +	Max. 16-channel, 1 combined event per channel/s			Resolution	32 MP; 24 MP; 16 MP; 12 MP; 8 MP; 5 MP; 4 MP; 1080p; 720p; D1; CIF; QCIF
Perimeter Protection	Perimeter Performance AI by Recorder (Number of Channels)	4 channels, 10 IVS rules for each channel	Decoding Capability			AI disabled: 2-channel 32 MP@20 fps; 2-channel 24 MP@20 fps; 4-channel 16 MP@30 fps; 6-channel 12 MP@30 fps;8-channel 8 MP@30 fps; 12-channel 5 MP@30 fps;16-channel 4 MP@30 fps;
	Perimeter Performance of AI by Camera (Number of Channels)	16 channels		AI enabled: 1-channel 32 MP@20 fps; 1-channel 24 MP@20 fps; 2-channel 16 MP@30 fps; 4-channel 12 MP@30 fps;4-channel 8 MP@30 fps; 8-channel 5 MP@30 fps; 12-channel 4 MP@30 fps; 16-channel 1080p@30 fps;		
Face Detection	Face Attributes	Gender; age group; glasses; expressions; face mask; beard		Video Output	1 VGA, 1 HDMI VGA:1920 × 1080, 1280 × 1024, 1280 × 720 HDMI:3840 × 2160, 1920 × 1080, 1280 × 1024, 1280 × 720 Heterogeneous video source output for HDMI and VGA	
	Face Detection Performance of AI by Recorder (Number of Channels)	2 channels (up to 12 face images/s each channel)	Multi-screen Display		Main screen: 1/4/8/9/16/25/36 Sub screen: 1/4/8/9/16	
	Face Detection Performance of AI by Camera (Number of Channels)	16 channels			Third-party Camera Access	ONVIF; Panasonic; Sony; Axis; Arecont; Pelco; Canon; Samsung
Face Recognition	Face Database Capacity	Up to 20 face databases with 20,000 images, with a total capacity of 2.5 G. Name, gender, birthday, address, credential type, credential No., countries & regions and state can be added to each face image.	Compression Standard	Video Compression	Smart H.265+; H.265; Smart H.264+; H.264; MJPEG	
	Face Recognition Performance of AI by Recorder (Number of Channels)	1. 16-channel FD (by camera) + FR (by recorder), image stream: 16 face images/s 2. 2-channe FD (by recorder) + FR (by recorder), video stream: 12 face images/s		Audio Compression	G.711a; G.711u; PCM; G726	
	Face Recognition Performance of AI by Camera (Number of Channels)	16 channels	Network	Network Protocol	HTTP; HTTPS; TCP/IP; IPv4/IPv6; UDP; SNMP; NTP; DHCP; DNS; SMTP; UPnP; IP Filter; PPPoE; FTP; DDNS; Alarm Server; IP Search (Supports Mtechnology IP camera, DVR, NVS, etc.); Multicast; P2P; Auto Registration; iSCSI	
Smart Motion	Smart Motion by Recorder	8 channels: Secondary filtering for human and motor vehicle , reducing false alarms caused by leaves, rain and lighting condition change			Mobile Phone Access	iOS; Android
	Smart Motion by Camera	16 channels				Interoperability
Video Metadata	Metadata Performance of AI by Camera (Number of Channels)	8 channels	Browser			
	Human Attributes	Top color, top type, bottom color, bottom type, hat, bag, age, gender and umbrella				
	Motor Vehicle Attributes	License plate, plate color, vehicle body, vehicle model, vehicle logo, calling, seatbelt, vehicle interior, vehicle registration location.				
	Non-motor Vehicle Attributes	Vehicle model, vehicle color, number of persons, helmet.				

MT-NVR5116AI-4KP

TECHNICAL SPECIFICATIONS

Recording Playback	Multi-channel Playback	Up to 16 channels
	Record Mode	General, motion detection; intelligent; alarm; POS
	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; privacy masking; local alarm
	Anomaly Alarm	Camera offline; storage error; disk full; IP conflict; MAC conflict; login lock; abnormal behavior of fan; cybersecurity exception
	Intelligent Alarm	Face detection; perimeter protection; motor vehicles, and non-motor vehicles); Smart Motion; stereo analysis; crowd distribution; people counting; ANPR; vehicle
	Alarm Linkage	Record; snapshot (panoramic); local alarm output; IPC external alarm output; access controller; audio; buzzer; log, preset; email
Port	Audio Input	1-channel RCA
	Audio Output	1-channel RCA
	Alarm Input	4 channels
	Alarm Output	2 channels
	HDD Interface	2 SATA ports, each disk can contain up to 16 TB. This limit varies depending on the environment temperature.
	RS-232	1
	RS-485	1
	USB	2 (1 front USB 2.0 port, 1 rear USB 3.0 port)
	HDMI	1
	VGA	1
	Network Port	1(10/100/1000 Mbps Ethernet port, RJ-45)
	PoE Port	16 ports, 10/100 Mbps, IEEE 802.3 af/at, 1-8 ports support Long-PoE
General	Power Supply	100–240 VAC, 47-63 Hz
	Power Consumption	Total output of NVR is ≤ 10 W (without HDD) Total output power of PoE is 130 W, the maximum output power of a single port is 25.5 W
	Net Weight	2.66 kg (5.86 lb)
	Gross Weight	3.82 kg (8.42 lb)
	Product Dimensions	375.0 mm × 329.3 mm × 53.0mm (14.76" × 12.96" × 2.09") (W × D × H)
	Packaging Dimensions	449.0 mm × 170.0 mm × 421.0 mm (17.68" × 6.69" × 16.57") (W × D × H)
	Operating Temperature	–10 °C to +55 °C (14 °F to +131 °F)
	Storage Temperature	–20 °C to +60 °C (–4 °F to +140 °F)
	Operating Humidity	10%–93% (RH)
Certifications	Installation	Rack or desktop
	FCC: 47 CFR FCC Part15, SubpartB, Class A CE-EMC: EN 55032: 2015+A1:2020; EN IEC 61000-3-2: 2019+A1: 2021; EN 61000-3-3: 2013+A1: 2019+A2:2021; EN 55035: 2017+A11: 2020; EN 50130-4: 2011+A1: 2014 CE-LVD: EN 62368-1: 2014	

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