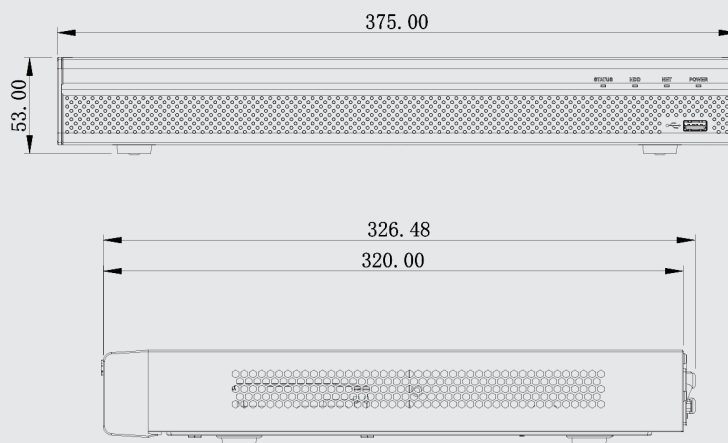**TECHNOLOGY**

Datasheet rev.A21.5

FEATURES

- 8 channel IP video access
- Smart H.265+ / Smart H.264+ / H.265 / H.264 / MJPEG; H.265 auto switch
- Max 320 Mbps incoming bandwidth
- Up to 24MP resolution for live view and playback
- 1-channel fisheye dewarping (AI by NVR)
- AI by Camera: Perimeter protection; face detection and recognition; SMD Plus; video metadata; ANPR; people counting; stereo analysis; crowd distribution; heat map
- Support IPC UPnP, 8 PoE ports

375.00

53.00

326.48

320.00

TECHNICAL SPECIFICATIONS

System	Main Processor	Industrial-grade embedded processor
	Operating System	Embedded Linux
	Operation Interface	Web/operating in local GUI
Perimeter Protection by Camera	Performance	8 channels
	AI Search	Search for pictures by channel, time and event type
Face Recognition by Camera	Performance	8 channels
	Face Attributes	6 attributes: Gender; age; glasses; express-s
	AI Search	Search for pictures by channel, time and face attributes
SMD Plus by Camera	Performance	8 channels
	AI Search	Search by target classification (human, vehicle)
Video Metadata by Camera	Performance	8 channels
	Human Body	Top; top color; bottom; bottom color; hat; b
	Vehicle	Plate No.; type; color; vehicle type; logo; plate color; ornament; calling; seatbelt; region
	Non-motor Vehicle	Type; color; number of passengers; helmet
	AI Search	Supports searching for target video by metadata
ANPR by Camera	Performance	4 channels
Stereo Analysis by Camera	Performance	8 channels
	AI Search	Search by target classification (fall detection; people approach detection; people No. exception detection; people staying detection; violence detection)
Video	Access Channel	8
	Network Bandwidth	320 Mbps for access, 320 Mbps for storage and 320 Mbps for forwarding
	Resolution	12MP, 8MP, 6MP, 5MP, 4MP, 3MP, 1080p, 1.3MP, 720p, D1, and more
	Decoding Capability	16-channel@1080P (30 fps)
	Video Output	HDMI1: 3840 × 2160; 1920 × 1080; 1280 × 1024; 1280 × 720 VGA1: 1920 × 1080; 1280 × 1024; 1280 × 720
	Multi-screen Display	8-channel: 1/4/8/9
	Third Party Camera Access	Panasonic, Sony, Samsung, Axis, Pelco, Arecont, ONVIF, Canon and more
Compression	Video	Smart H.265+; Smart H.264+; H.265; H.264; MJPEG
	Audio	PCM; G.711A; G.711U; G.726
Network	Network Protocol	HTTP; HTTPS; TCP/IP; IPv4/IPv6; UPnP; SNMP; RTSP; UDP; SMTP; NTP; DHCP; DNS; IP Filter; PPPoE; DDNS; FTP; Alarm Server; IP Search (Supports Mtechnology IP camera, DVR, NVS, and more.) ; P2P
	Mobile Phone Access	Android, iOS
	Interoperability	ONVIF (profile T/S/G); CGI; SDK
	Browser	Chrome; IE9 or later; Firefox
Record Playback	Multi-channel Playback	8-channel: 1/4/9
	Record Mode	Manual; schedule (general; MD; alarm; M & alarm; intelligent; POS)

Record Playback	Storage Method	Local HDD and network
	Backup	USB device
	Playback Function	1. Play; pause; stop; fast forward; fast backward; rewind; play by frame 2. Full screen; backup (cut/file) ; partially enlarge; audio on/off
Storage	Disk Group	Yes
Alarm	General Alarm	Motion detection; privacy masking; video loss; local alarm; PIR alarm; IPC alarm
	Anomaly Alarm	Camera offline; storage error; full storage; IP conflict; MAC conflict; login lock; network security anomaly
	Intelligent Alarm	Perimeter protection; face detection; face recognition; SMD; video metadata (human; motor-vehicle; non-motor vehicle) ; ANPR; people counting; stereo analysis; crowd distribution; heat map
	Alarm Linkage	Record; snapshot; IPC external alarm output; buzzer; log; preset; email
External Port	Audio Input	1 channel, RCA connector
	Audio Output	1 channel, RCA connector, which supports voice intercom output
	HDD	2 SATA III ports, up to 10 TB for a single HDD. The maximum HDD capacity varies with environment temperature
	Alarm Input	4 channels
	Alarm Output	2 channels
	RS-232	1 channel, used to debug and pass through serial data
	RS-485	1 channel, used to control PTZ, and it supports multiple protocols
	USB	1 front USB 2.0 port, 1 rear USB 3.0 port
	HDMI	1
	VGA	1
	Network	1 RJ-45 10/100/1000 Mbps self-adaptive Ethernet port
	PoE	8 ports support ePoE & EoC
General Parameter	Power Supply	Single, 100V–240V AC, 50 Hz–60 Hz
	Power Consumption	NVR: < 15.2W (without HDD) PoE: Max 25.5W for single port 130W total rated power, 80% control for protection
	Net Weight	2.6 kg (5.7 lb) (without HDD)
	Gross weight	4 kg (8.8 lb) (without HDD)
	Product Dimensions	375.0 mm × 327.4 mm × 53.0mm (14.8" × 12.9" × 2.1")
	Package Dimensions	429 mm × 137 mm × 360 mm (16.9" × 14.2" × 5.4")
	Operating Temperature	-10°C to +55°C (+14°F to +131°F)
	Storage Temperature	0°C to +40°C (+32°F to +104°F)
	Operating Humidity	10%–93% (RH)
	Storage Humidity	30%–85% (RH)
	Operating Altitude	3,000 m (9,843 ft)
	Certifications	CE: EN55032; EN55024; EN50130-4; EN60950-1 FCC: Part 15 Subpart B; ANSI C63.4-2014 - UL: UL 60950-1

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