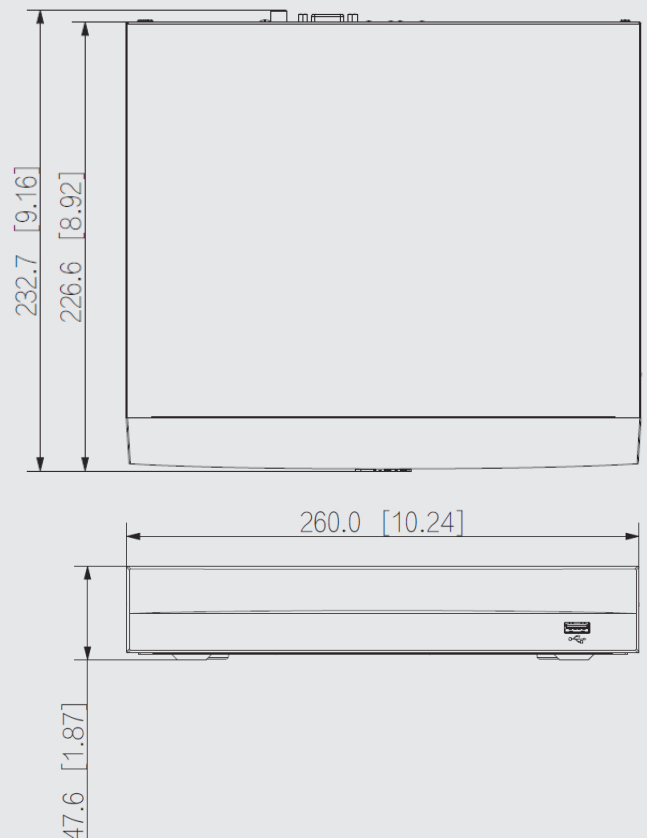Datasheet rev.A21.4

FEATURES

- H.265+/H.265 dual-stream video compression
- Supports HDCVI/AHD/TVI/CVBS/IP video inputs
- Max 8 channels IP camera inputs, each channel up to 8MP; Max 64 Mbps incoming bandwidth
- Up to 2 channels video stream (analog channel) human face recognition
- IoT & POS functionalities

232.7 [9.16]
226.6 [8.92]
260.0 [10.24]
47.6 [1.87]

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TECHNICAL SPECIFICATIONS

System	Main Processor	Embedded Processor
	Operating System	Embedded Linux
Perimeter Protection	Performance	2 channels, 10 IVS for each channel
	Object classification	Human/Vehicle secondary recognition for tripwire and intrusion
	AI Search	Search by target classification (human, vehicle)
Face Recognition	Performance	Max 8 face pictures/sec processing
		2 channels video stream face recognition, only support analog camera
	Stranger Mode	Detect strangers' faces (not in device's face database). Similarity threshold can be set manually
	AI Search	Up to 8 target face images search at same time, similarity threshold can be set for each target face image
	Database Management	Up to 10 face databases with 5,000 face images in total. Name, gender, birthday, address, certificate type, cerificate No., countries®ions and state can be added to each face picture
	Database Applicationment	Each database can be applied to video channels independently
	Trigger Events	Buzzer, Voice Prompts, Email, Snapshot, Recording, Alarm Out, PTZ Activation, etc.
SMD Plus	Performance	4 channels
	AI Search	Search by target classification (human, vehicle)
Video and Audio	Analog Camera Input	4 channels, BNC
	HDCVI Camera Input	4K, 6MP, 5MP, 4MP, 1080P@25/30fps, 720P@50/60fps, 720P@25/30fps
	AHD Camera Input	4K, 5MP, 4MP, 3MP, 1080P@25/30, 720P@25/30fps
	TVI Camera Input	4K, 5MP, 4MP, 3MP, 1080P@25/30, 720P@25/30fps
	CVBS Camera Input	PAL/NTSC
	IP Camera Input	4+4 channels, each channel up to 8MP
	Audio In/Out	1/1, RCA
	Two-way Talk	Reuse audio in/out, RCA
Recording	Compression	AI Coding/H.265+/H.265/ H.264+/H.264
	Resolution	4K, 6MP, 5MP, 4K-N, 4MP, 3MP, 4M-N, 1080P, 720P, 960H, D1, CIF
	Record Rate	Main stream: All channel 4K(1fps–7fps); 6MP(1fps–10fps); 5MP(1fps–12fps); 4K-N, 4MP/3MP(1fps–15fps); 4M-N/1080P/720P/960H/D1/CIF (1fps–25/30fps); Sub steram:960H(1fps–15fps); D1/CIF(1fps–25/30fps)
	Bit Rate	32 Kbps–6144 Kbps Per Channel
	Record Mode	Manual, Schedule (General, Continuous), MD (Video detection: Motion Detection, Video Loss, Tampering), Alarm, Stop
	Record Interval	1 – 60 min (default: 60 min), Pre-record: 1 s–30 s, Post-record: 10 s–300 s
	Audio Compression	G.711A, G.711U, PCM
	Audio Sample Rate	8 KHz, 16 bit Per Channel
	Audio Bit Rate	64 Kbps Per Channel

Display	Interface	1 HDMI ,1 VGA
	Resolution	HDMI: 3840 × 2160, 1920 × 1080, 1280 × 1024, 1280 × 720 VGA: 1920 × 1080, 1280 × 1024, 1280 × 720
	Multi-screen Display	When IP extension mode not enabled: 1/4 When IP extension mode enabled: 1/4/8/9
	OSD	Camera title, Time, Video loss, Camera lock, Motion detection, Recording
Network	Interface	1 RJ-45 Port (1000 MB)
	Network Function	HTTP, HTTPS, TCP/IP, IPv4/IPv6, Wi-Fi, 3G/4G, SNMP, UPnP, RTSP, UDP, SMTP, NTP, DHCP, DNS, IP Filter, PPPoE,DDNS, FTP, Alarm Server, P2P,IP Search (Supports Mtechnology IP camera, DVR, NVS, etc.)
	Max. User Access	128 users
	Smart Phone	iPhone, iPad, Android
	Interoperability	ONVIF 16.12, CGI Conformant
Video Detection and Alarm	Trigger Events	Recording, PTZ, Tour, Video Push, Email, FTP, Snapshot, Buzzer and Screen Tips
	Video Detection	Motion Detection, MD Zones: 396 (22 × 18), Video Loss, Tampering and Diagnosis
Playback and Backup	Playback	1/4
	Search Mode	Time /Date, Alarm, MD and Exact Search (accurate to second)
	Playback Function	Play, Pause, Stop, Rewind, Fast play, Slow Play, Next File, Previous File, Next Camera, Previous Camera, Full Screen, Repeat, Shuffle, Backup Selection, Digital Zoom
	Backup Mode	USB Device/Network
Storage	Internal HDD	1 SATA Port, up to 10TB capacity
Auxiliary Interface	USB	2 USB Ports (USB 2.0)
	RS485	1 Port, for PTZ Control
Electrical	Power Supply	DC 12V/2A
	Power Consumption (Without HDD)	<7W
Construction	Dimensions	Compact 1U, 260 mm × 238 mm × 48 mm (10.24" × 9.34" × 1.87")
	Net Weight (without HDD)	1.1 kg (2.5 lb)
	Gross Weight	1.5 kg (3.3 lb)
	Installation	Desktop installation
Electrical	Operating Conditions	-10°C to +55°C (+14°F to +131°F), 0–90% RH
	Storage Conditions	-20°C to +70°C (-4°F to +158°F) , 0–90% RH
Third-party Support		Arecont Vision, AXIS, Bosch, Brickcom, Canon, CP Plus, Dahua, Dynacolor, Honeywell, Mtechnology, Panasonic, Pelco, Samsung, Sanyo, Sony, Videotec, Vivotek, and more
Certifications		FCC: Part 15 Subpart B CE: CE-LVD: EN 60950-1/IEC 60950-1 CE-EMC: EN 61000-3-2, EN 61000-3-3, EN 55032, EN 50130, EN 55024

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