



5MP AI 4 Channel Compact 1U DVR

CODE: EAG-5MP-PRO-AI3-4BB



- · H.265+/H.265 dual-stream video compression
- · Supports Full-channel Al-Coding
- Supports HDCVI/AHD/TVI/CVBS/IP video inputs
- Max 6 channels IP camera inputs, each channel up to 6MP; Max
 32 Mbps incoming bandwidth
- Up to 1 channel video stream (analog channel) Perimeter Protection
- Up to 4 channels video stream (analog channel) SMD Plus
- Up to 1 channel video stream (analog channel) human face recognition
- · IoT & POS functionalities



Function

Real Time Face Recognition

Video stream real time face recognition. Facial attribute analysis features include gender, age, expression, glasses, moustache, mouth, mask etc. It helps to identify people and also capture & record faces with metadata. Supports facial feature filtering while in real time display mode

*Face Recognition takes effect when Face is selected in AI Mode.

Perimeter Protection

Automatically filters out false alarms caused by animals, rustling leaves, bright lights, etc. Enables system to act as secondary recognition for the targets. This improves alarm accuracy.

*Perimeter Protection takes effect when IVS&SMD is selected in AI Mode.

SMD Plus

SMD Plus, referred to as Smart Motion Detection Plus, is an upgraded version of SMD that greatly improves the alarm accuracy by loading deep-learning algorithms. It analyzes people and vehicles based on motion detection and sends alarms only when intrusion is detected.

*SMD Plus takes effect when SMD or IVS&SMD is selected in Al Mode.

AI Coding

Compared with H.265, Al codec can reduce up to 50% of the bit rate and storage requirements while have no loss of decoding compatibility, providing clear people and vehicle details.

Smart H.265+

Smart Codec, H.265+ can reduce up to 90% bit rate and storage requirements compared with H.264 without having to invest in new cameras.

HDCVI/AHD/TVI/CVBS Auto-detect

The XVR can auto recognize the signal of front-camera without any setting. It makes operation more friendly and convenient.

High Definition Camera Input

The XVR supports up to 5MP HDCVI camera and 6MP IP camera input.

Coaxial Audio/Upgrade/Alarm

The integrated design can reduce wiring troubles which makes it much more cost-effective and convenient for installation.

Long Distance Transmission

The HDCVI system supports long distance transmission over coaxial cable and UTP, max. 700 m for 4K/4MP, 800 m for 1080p and 1200 m for 720p.

AI Search

Extract and classify person and vehicles from massive video data, easy for end users to trace historical information and analyze. Person & Vehicle optional for playback to achieve quick target search, saving event retrieval time.

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Technical Specification		Audio Compression	G.711A; G.711U; PCM	
System		Audio Sample Rate	8 KHz, 16 bit per channel	
Main Processor	Embedded processor	Audio Bit Rate	64 kbps per channel	
Operating System	Embedded linux	Display		
Perimeter Protecti	on	Interface	1 HDMI; 1 VGA	
Performance	1 channel, 10 IVS for each channel	Resolution	1920 × 1080; 1280 × 1024; 1280 × 720	
Object classification	Human/Vehicle secondary recognition for tripwire and intrusion	Multi-screen Display	When IP extension mode not enabled: 1/4 When IP extension mode enabled: 1/4/6	
Al Search	Search by target classification (Human, Vehicle)	OSD	Camera title; Time; Video loss; Camera lock; Motion detection; Recording	
Face Recognition		Network		
	Max 8 face pictures/sec processing	Interface	1 RJ-45 Port (100 MB)	
Performance	1 channel video stream face recognition, only support analog camera		HTTP; HTTPS; TCP/IP; IPv4/IPv6; Wi-Fi; 3G/4G; SNMP;	
Stranger Mode	Detect strangers' faces (not in device's face database). Similarity threshold can be set manually	Network Function	UPnP; RTSP; UDP; SMTP; NTP; DHCP; DNS; IP Filter; PPPOE; DDNS; FTP; Alarm Server; P2P; IP Search	
Al Search	Up to 8 target face images search at same time, similarity	Max. User Access	128 users	
	threshold can be set for each target face image Up to 10 face databases with 10,000 face images in	Smart Phone	iPhone; iPad; Android	
Database Management	total. Name, gender, birthday, address, certificate type, cerificate No., countries®ions and state can be added	Interoperability	ONVIF 16.12, CGI Conformant	
	to each face picture	Video Detection and Alarm		
Database Application	Each database can be applied to video channels independently	Trigger Events	Recording, PTZ, Tour, Video Push, Email, FTP, Snapshot, Buzzer and Screen Tips	
Trigger Events	Buzzer, Voice Prompts, Email, Snapshot, Recording, Alarm Out, PTZ Activation, etc.	Video Detection	Motion Detection, MD Zones: 396 (22 \times 18), Video Loss, Tampering and Diagnosis	
SMD Plus		Alarm input	N/A	
Performance	4 channels	Relay Output	N/A	
Al Search by target classification (Human, Vehicle)		Playback and Backup		
Video and Audio		Playback	1/4	
Analog Camera Input	4 channels, BNC	Search Mode	Time/Date, Alarm, MD and Exact Search (accurate to	
HDCVI Camera Input	5MP, 4MP, 1080p@ 25/30 fps, 720p@ 50/60 fps, 720p@ 25/30 fps	Playback Function	second) Play; Pause; Stop; Rewind; Fast play; Slow Play; Next File; Previous File; Next Camera; Previous Camera; Full	
AHD Camera Input	5MP, 4MP, 1080p@ 25/30 fps, 720p@ 25/30 fps		Screen; Repeat; Shuffle; Backup Selection; Digital Zoom	
TVI Camera Input	5MP, 4MP, 1080p@ 25/30 fps, 720p@ 25/30 fps		Backup Mode USB Device/Network	
CVBS Camera Input	PAL/NTSC	Storage		
IP Camera Input	4+2 channels, each channel up to 6MP	Internal HDD	1 SATA port, up to 6 TB capacity	
Audio In/Out	1/1, RCA	eSATA	N/A	
Two-way Talk	Reuse audio in/out, RCA	Auxiliary Interface		
Recording		USB	2 USB ports (USB 2.0)	
Compression	Al Coding/H.265+/H.265/H.264+/H.264	RS485	1 port, for PTZ control	
Resolution	5M-N; 4M-N; 1080p; 1080N; 720p; 960H; D1; CIF	RS232	N/A	
Record Rate	Main stream: All channel 5M-N (1 fps–10 fps); 4M-N/1080p (1 fps–15 fps); 1080N/720p/960H/ D1/CIF (1 fps–25/30 fps)	Electrical	DC 12V/1.5A	
27.2	Sub stream: D1/CIF (1 fps–15fps)	Power Supply Power Consumption		
Bit Rate	32 kbps–6144 kbps per channel Manual; Schedule (General, Continuous); MD (Video	(Without HDD)	< 4W	
Record Mode	detection: Motion Detection, Video Loss, Tampering); Alarm; Stop	Construction		
Record Interval	1 min—60 min (default: 60 min), Pre-record: 1 s—30 s, Post-record: 10 s—300 s	Dimensions	Compact 1U, 260.0 mm × 237.9 mm × 47.6 mm (10.24" × 9.37" × 1.87")	

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Post-record: 10 s-300 s

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Net Weight (without HDD)	0.84 kg (1.85 lb)		
Gross Weight	1.37 kg (3.02 lb)		
Installation	Desktop installation		
Environmental			
Operating Conditions	-10°C to +45°C (+14°F to +113°F), 0%-90% (RH)		
Storage Conditions	-20°C to +70°C (-4°F to +158°F), 0%-90% (RH)		

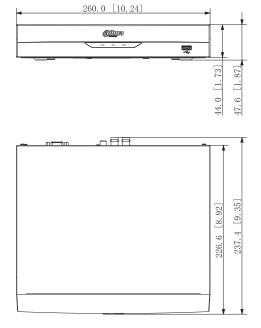
Third-party Support

Third-party Support	Dahua, Arecont Vision, AXIS, Bosch, Brickcom, Canon, CP Plus, Dynacolor, Honeywell, Panasonic, Pelco,
, , , , ,	Samsung, Sanyo, Sony, Videotec, Vivotek, and more

Certifications

	FCC: Part 15 Subpart B
Certifications	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

Dimensions (mm[inch])



- 1 VIDEO IN
- 2 AUDIO IN, RCA Connector
- 3 AUDIO OUT, RCA Connector
- 4 HDMI Interface
- 5 Network Interface
- 6 RS485 Interface
- 7 USB Interface
- 8 DC 12V Power Input
- 9 VGA Interface