



AIB-800A

8CH AI Box

Key Features

- 8CH Supported CH
- 32MP Image Resolution
- AI Object Classification
- AI Business Intelligence
- AI processing unit for ONVIF compatible cameras
- Broad VMS compatibility
- Dynamic Privacy Masking
- Support SDK/API
- Rack Mount Installation

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Specifications

Display

Network	Inputs	Max. 8CH
	Resolution	CIF ~ 32MP, Recommended Configuration: 8CH @ Full HD, 10fps
	Protocols	[Certified Interoperability] - Hanwha non-AI network cameras (SUNAPI) - Hanwha Encoders (SUNAPI) [Limited] - 3rd party non-AI IP cameras (ONVIF/RTSP), compatibility is not 100% guaranteed. [Unsupported] - Any NVR/DVR - 3rd party Encoders

Intelligent Analysis

AI function	Pre-Installed Event	Classified object type : Person,Face,Vehicle,License plate, Attributes : Person(Upper/Lower clothes color,Gender,Bag),Vehicle(Type(car,bus,truck,motorcycle,bicycle),Color),Face(Age,Gender,Face mask,Glasses),Support Bestshot, Analytics events based on AI engine: Motion Detection*,Object detection,Virtual line* (Crossing/Direction),Virtual area* (Loitering/Intrusion/Enter/Exit),* Some of the video analytics only works with people/vehicle detection, Analytics events : Virtual area(Appear/Disappear), Business Intelligence (Based on AI engine) : People counting,Vehicle counting,Queue management,Heatmap,Dynamic privacy masking
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Network

Protocol	TCP/IP, UDP/IP, RTP (UDP), RTP (TCP), RTSP, NTP, HTTP, DHCP (Server, Client), SMTP, ICMP, IGMP, ARP, DNS, DDNS, uPnP, HTTPS, SNMP, ONVIF (Profile-S), SUNAPI(Server, Client), SRTP, MQTT	
DDNS	Hanwha DDNS	
Max Manipulated Streams	80 Streams (10 Streams per 1CH)	
IP Version	IPv4/v6	
Security	IP address filtering, User access Log, 802.1x, Encryption, Device certificate(Hanwha Vision Root CA)	
Language	English, French, German, Italian, Spanish, Russian, Turkish, Polish, Dutch, Czech, Portuguese, Hungarian, Greek, Korean, Chinese, Japanese	
OS	Windows 11/10, macOS 10.13	
Web Browser	Google Chrome, Microsoft Edge, Mac Safari	
Viewer Software	Type	WebViewer, WAVE, SSM, Genetec, Milestone
	CMS Support	Support SDK/CGI(SUNAPI) for interworking with 3rd party VMS

Functions

Camera Setup	Register	Auto, Manual
	Setup Items	Camera Webpage

Indicator/Interface

Front	Indicator	LED(Status indicator) : Alarm(1), Power(1), Network(1)
	Ethernet	RJ-45 1ea (1Gbps)
	Alarm	(1) In(8EA, Terminal Block), (2) Alarm Reset(1EA), (3) Out(4EA, Terminal Block) - Relay Out1(NO/NC/COM) - Relay Out2~4(NO/COM)
	USB	1EA(Rear 1 x USB 3.0) for DEBUG
	Serial	Not Supported (internal Debug)
	Reset	Factory Reset
	Power Cord	DIN 4P 12V, 4A

System

Log	Log List	Max. 3,000 (System 1,000, Access 1,000, EVENT 1,000)
CPU		NVIDIA ORIN NX 8GB (SOM)

Environmental

Operating Temperature / Humidity		+0°C to +40°C(+32°F to +104°F)
Humidity		20% ~ 85% RH

Electrical

Power		100~240 VAC $\pm$ 10%; 50/60Hz, 12V, 4A Adaptor
Power Consumption		28W

Mechanical

Color / Material		Black / Metal
Dimension (WxHxD)		300x47.6x240.9mm(11.81x1.87x9.48inch)
Weight		1.39kg

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CAD

Unit: mm [inch]

