

AIB-800A



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## 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,<br>Attributes : Person(Upper/Lower clothes color,Gender,Bag),Vehicle(Type(car,bus,truck,motorcycle,bicycle),Color),Face(Age,Gender,Face mask,Glasses),Support Bestshot,<br>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,<br>Analytics events : Virtual area(Appear/Disappear),<br>Business Intelligence (Based on AI engine) : People counting,Vehicle counting,Queue management,Heatmap,Dynamic privacy masking |
|-------------|---------------------|------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|

### 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]

