



# AIB-800

## 8CH AI Box



### Key Features

- Max up to 8CH inputs
- AI functions
  - Classified object type: Person/Vehicle
  - Attributes: Person (Type: age, gender, color etc.)
  - Attributes: Vehicle (Type: car/bus/truck/motorcycle/bicycle)
- 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
- Viewer Software: Web viewer, WAVE, SSM, Genetec, Milestone
- Support SDK/CGI(SUNAPI) for interworking with 3rd party VMS

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## Specifications

| Display                 |                     |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  |
|-------------------------|---------------------|------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| Network                 | Inputs              | Max. 8CH                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         |
|                         | Resolution          | CIF ~ 32MP, Recommended Configuration: 8CH @ Full HD, 10fps                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      |
|                         | Protocols           | SUNAPI, ONVIF, [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**

|              |            |                                                                                                                                |
|--------------|------------|--------------------------------------------------------------------------------------------------------------------------------|
| <b>Front</b> | 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**

|            |          |                                                      |
|------------|----------|------------------------------------------------------|
| <b>Log</b> | Log List | Max. 3,000 (System 1,000, Access 1,000, EVENT 1,000) |
| <b>CPU</b> |          | NVIDIA ORIN NX 8GB (SOM)                             |

**Environmental**

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

**Electrical**

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

**Mechanical**

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

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CAD

Unit: mm [inch]

