



Type: Box/Cube - IP - Camera

Item Code: GD-CI-AT8505B

EAN CODE: 4260573062164

## PREMIUM

The PREMIUM product line offers versatile solutions with unique and unparalleled features.

## Highlights

### H.265+



H.265pro+ utilizes the standard H.265/High Efficiency Video Coding (HEVC) format, but boasts advanced technologies that enable it to substantially reduce the necessary transmission bandwidth and storage capacity for maximum efficiency.

## Features

- 8 Megapixel IP Camera with real time video streaming
- H.265/H.265+, H.264/H.264+ & MJPEG compression modes
- Various streams from one camera can be used for recording and display. The benefits here enable, for example, keeping the data rate significantly lower with multiple-image displays
- Audio Communication & Alarm Input / Output
- Built in analytics function: Detection of line crossing, intrusion, region entrance, region exit, object removal, unattended baggage, face and scene change included
- Automatic Back-Focus adjustment: simplifies the lens setup

## Specifications GD-CI-AT8505B

## Camera

|                     |   |
|---------------------|---|
| Image Sensor:       | 1/1.8" progressive Scan CMOS  |
| Video Resolution:   | 3840 × 2160   |
| Sensitivity Colour: | 0.007 Lux @ F1.2 (AGC ON)   |
| Sensitivity B/W:    | 0.0007 Lux @ F1.2 (AGC ON)  |
| Shutter Speed:      | 1 ~ 1/100,000 s   |
| Slow Shutter:       | Support   |
| White Balance:      | Manual, AWB1, AWB2, Locked WB, Fluorescent lamp, Incandescent lamp, Warm light, Natural light |

## Lens

|                   |                                      |
|-------------------|--------------------------------------|
| Lens Mount:       | C, CS mount with adaptor             |
| Lens Drive Type:  | Auto Iris (DC) , Manual Iris, P-Iris |
| Focus Adjustment: | Auto back focus                      |

## Video

|                     |   |
|---------------------|---|
| Col/B&W:            | On, Off, Auto, IR-cut filter removable (ICR)  |
| Wide Dynamic Range: | 120 dB  |
| Image Enhancement:  | BLC, 3D DNR, Defog, EIS, HLC  |
| Image Settings:     | Rotate mode, Saturation, Brightness, Contrast, Sharpness and white balance adjustable by client software or web browser |
| Day/Night Switch:   | Support auto, scheduled, day, night, triggered by alarm in  |

## Audio

|                              |   |
|------------------------------|---|
| Audio Compression:           | G.722.1/G.711ulaw/G.711alaw/G.726/MP2L2/PCM/MP3   |
| Audio Bit Rate:              | 64Kbps(G.711)/16Kbps(G.722.1)/16Kbps(G.726)/32-192Kbps(MP2L2)/32 Kbps(PCM)/ 8-320 Kbps(MP3) |
| Environment Noise Filtering: | yes   |

## Network

|                              |   |
|------------------------------|---|
| Functions:                   | One-key reset, anti-flicker, five plus five streams, heartbeat, mirror, password protection, privacy mask, watermark, IP-address filter   |
| Video Compression:           | Main Stream: H.264, H.264+, H.265, H.265+<br>Sub-Stream/ Third Stream/ Fourth Stream/ Fifth Stream/ Costum Stream: H.264, H.265, MJPEG  |
| Region of Interest:          | Support four fixed region for each stream, and dynamic face tracking  |
| H.264 code profile:          | Baseline Profile / Main Profile / High Profile  |
| Bit Rate:                    | 32Kbps ~ 16Mbps, adjustable   |
| Scalable Video Coding (SVC): | supported   |
| SD Memory:                   | Micro SD/SDHC/SDXC card slot with ANR (up to 256G), NAS (Support NFS, SMB/CIFS)   |
| Frame Rate:                  | Main Stream 50 Hz: 25 fps (3840 × 2160, 3200 × 1800, 2560 × 1440, 1920 × 1080, 1280 × 720)<br>60 Hz: 30 fps (3840 × 2160, 3200 × 1800, 2560 × 1440, 1920 × 1080, 1280 × 720)<br>Sub Stream 50 Hz: 25 fps (704 × 576, 640 × 480)<br>60 Hz: 30 fps (704 × 480, 640 × 480)<br>3. Stream 50 Hz: 25 fps (1920 × 1080, 1280 × 720, 704 × 576, 640 × 480)<br>60 Hz: 30 fps (1920 × 1080, 1280 × 720, 704 × 480, 640 × 480)<br>4. Stream 50 Hz: 25 fps (1920 × 1080, 1280 × 720, 704 × 576, 640 × 480)<br>60 Hz: 30 fps (1920 × 1080, 1280 × 720, 704 × 480, 640 × 480)<br>5. Stream 50 Hz: 25 fps (704 × 576, 640 × 480)<br>60 Hz: 30 fps (704 × 480, 640 × 480) |

**Network**

|                   |   |
|-------------------|---|
| Network Protocol: | TCP/IP, IPv4, ICMP, HTTP, HTTPS, FTP, DHCP, DNS, DDNS, RTP, RTSP, RTCP, NTP, UPnP, SMTP, IGMP, 802.1X, QoS, IPv6, Bonjour, UDP, PPPoE, SNMP   |
| Cyber Security:   | 3 levels of user management: admin, operator, user, AES Encryption for Password Protection, Complicated Password, HTTPS (SSL) Login Authentication, Basic and digest authentication for HTTP/HTTPS, 802.1X authentication, (EAP-LEAP), 802.1X authentication (EAP-TLS), 802.1X authentication (EAP-MD5), Watermark, IP Address Filter, WSSE and digest authentication for ONVIF, RTP/RTSP over HTTPS, Control timeout settings, Security audit log, SNMP V2, SNMP V3, TLS 1.1, TLS 1.2, TLS 1.2 with updated cipher suites including AES 256 encryption., Centralized Certificate Management, Brute Force Delay Protection, Signed Firmware, Secure Boot by software check, Secure Boot by hardware check |
| Reset Button:     | yes   |

**I/O Interface**

|                      |  |
|----------------------|--|
| Video Outputs:       | 1 Test Monitor output (CVBS, 1 Vpp). Adapter cable with female BNC connector included. |
| Audio Input/Output:  | 1-ch audio input and 1-ch audio output   |
| Alarm Input/Output:  | 2 inputs, 2 outputs (up to 24 VDC 1 A or 110 VAC 500mA)                                |
| Network Interface:   | 1x 10, 100, 1000 Base T, TX (RJ-45)  |
| Serial Interface(s): | 1x RS485 half duplex   |

**Intelligent Functions**

|                      |  |
|----------------------|--|
| Intrusion Detection: | Enter and loiter in a pre-defined virtual region, up to 4 pre-defined virtual regions supported                    |
| Line Crossing:       | Cross a pre-defined virtual line, up to 4 pre-defined virtual lines supported                                      |
| Region Entrance:     | Enter a pre-defined virtual region from the outside place  |
| Region Exiting:      | Exit from a pre-defined virtual region   |
| Unattended Baggage:  | Objects left over in the pre-defined region such as the baggage, purse, dangerous materials                        |
| Loitering:           | People stay in a previously defined area for longer than the preset time   |
| Object Removal:      | Objects removed from the pre-defined region, such as the exhibits on display                                       |
| Object Counting:     | Entrance and Exit object number is accounted and showed on screen in real time                                     |
| Face Detection:      | Human face appears in the image can be detected and trigger event action   |
| Tamper Protection:   | Detection of scene change, defocus, sudden audio increase/decrease or audio loss.                                  |
| Event Source:        | Video tampering, network disconnected, IP address conflicted, HDD full, HDD error, illegal login, motion detection |

**Approvals**

|             |  |
|-------------|--|
| Regulation: | CE, EAC, FCC, RoHS Compliant                 |
| Standard:   | ONVIF (Profile S, Profile G), SDK/API, Ehome |

**Environmental**

|                        |                                  |
|------------------------|----------------------------------|
| Operating Temperature: | -30 °C ~ 60 °C (-22 °F ~ 140 °F) |
| Humidity:              | Less than 95%, non condensing    |

**Electrical**

|                    |                                    |
|--------------------|------------------------------------|
| Supply Voltage:    | 12 VDC, 24 VAC, PoE (IEEE 802.3af) |
| Power Consumption: | Max. 10 W                          |

**Mechanical**

|             |   |
|-------------|---|
| Dimensions: | 143× 70 × 68 mm (5.61 × 2.75 × 2.68 inch) |
| Weight:     | 730 g (1.61 lb)                           |

**Accessories**



GD-LF-BT3611D-IR

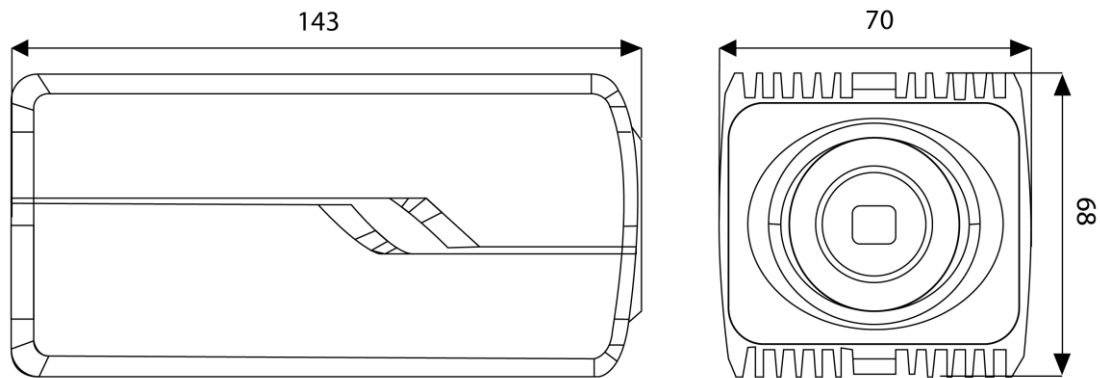


GD-LF-BT1150D-IR



GD-BR-AWA03

## Dimensions



## Guarantee

All cameras in the “SMART”, “PRO” and “PREMIUM” product lines have an extended warranty period of 5 years on electronic parts, mechanical wear and tear on moving parts is not included. Please note our general delivery terms and conditions.