8 MP IP-Camera 2.8~12 mm

# GD-CI-AT8537TH

Type: Bullet - IP - Camera

Item Code: GD-CI-AT8537TH

EAN CODE: 4260573063734

**PREMIUM**

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

## Highlights

### Ultra Low Light

Designed for unparalleled performance in low-light environments, this camera incorporates advanced image processing and a high-capacity image sensor, ensuring exceptional image quality even in ultra-low light conditions.

### 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.

### Object Classification

This technology employs a highly advanced deep learning algorithm that can discern whether the alarm was triggered by a human, a vehicle or some other object.

## Features

- 8 Megapixel IP Camera with real time video streaming
- Motorized Varifocal Lens: f = 2.8 - 12 mm
- Built in analytics function: Detection of line crossing, intrusion, region entrance, region exit, object removal, unattended baggage, face and scene change included
- 0 Lux: Integrated LED IR Illuminator viewable distance up to 60m
- Deep Learning - Human and Vehicle Analysis: Self learning human and vehicle classification improves unwanted alarm filtering
- H.265/H.265+, H.264/H.264+ & MJPEG compression modes
- Bidirectional Audio Support

## Specifications GD-CI-AT8537TH

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|---|---|
| **Camera** | |
| Image Sensor: | 1/1.8" progressive Scan CMOS |
| Video Resolution: | 3840 × 2160 |
| Sensitivity Colour: | 0.004 Lux @ F1.2 (AGC ON) |
| Sensitivity B/W: | 0 Lux LED IR on |
| Shutter Speed: | 1/3 ~ 1/100,000 s (Automated Electronic Shutter) |
| Slow Shutter: | Support |
| White Balance: | Manual, AWB1, AWB2, Locked WB, Fluorescente lamp, Incandescent lamp, Warm light, Natural light |
| **Lens** | |
| Lens Focal Length: | 2.8 ~ 12 mm motorized, autofocus |
| Iris F-Number: | F1.2 |
| Lens Drive Type: | P-Iris |
| Field of View: | 112° ~ 41° (horizontal), 58° ~ 23° (vertical), 137° ~ 47° (diagonal) |
| **Illuminator** | |
| Max. IR Distance: | Up to 60 m |
| **Video** | |
| Col/B&W: | On, Off, Auto, IR-cut filter removable (ICR) |
| Wide Dynamic Range: | 120 dB |
| Image Enhancement: | BLC, 3D DNR, 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 |
| Privacy zones: | 8 programmable zones |
| **Audio** | |
| Audio Compression: | G.711ulaw/G.711alaw/G.722.1/G.726/MP2L2/PCM/MP3/AAC |
| Audio Bit Rate: | 64 Kbps (G.711ulaw/G.711alaw)/16 Kbps (G.722.1)/16 Kbps (G.726)/16 Kbps to 64 Kbps (AAC)/32 to 192 Kbps (MP2L2)/8 to 320 Kbps (MP3) |
| Environment Noise Filtering: | yes |
| **General** | |
| Accessories included: | Junction box |
| **Frame Rate** | |
| Main Stream: | 50 Hz: 25 fps (3840 × 2160, 3200 × 1800, 2688 × 1520, 1920 × 1080, 1280 × 720)<br>60 Hz: 24 fps (3840 × 2160, 3200 × 1800, 2688 × 1520, 1920 × 1080, 1280 × 720) |
| Sub- Stream: | 50 Hz: 25 fps (640 × 480, 640 x 360)<br>60 Hz: 30 fps (640 × 480, 640 x 360) |
| 3rd Stream: | 50 Hz: 10 fps (1920 x 1080, 1280 x 720, 640 × 480, 640 × 360)<br>60 Hz: 10 fps (1920 x 1080, 1280 x 720, 640 × 480, 640 × 360)<br>* 3rd stream supported under certain settings |
| 4th Stream: | 50 Hz: 10 fps (1280 × 720, 640 × 480, 640 x 360)<br>60 Hz: 10 fps (1280 × 720, 640 × 480, 640 x 360)<br>* 4th stream is supported under certain settings |
| **Network** | |
| Functions: | One-key reset, anti-flicker, four streams, heartbeat, mirror, password protection, privacy mask, IP-address filter, rotate, flash log, white balance, pixel counter |

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| **Network** | |
| Video Compression: | Main Stream: H.264, H.264+, H.265, H.265+<br>Sub-Stream: H.264, H.265, MJPEG<br>Third Stream: H.264, H.265<br>Fourth Stream: H.264, H.265, MJPEG |
| Region of Interest: | 5 fixed region for main stream and sub-stream |
| 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) |
| Network Protocol: | TCP/IP, ICMP, HTTP, HTTPS, FTP, DHCP, DNS, DDNS, RTP, RTSP, NTP, UPnP, SNMP, SMTP, IGMP, 802.1X, QoS, IPv4/IPv6, UDP, PPPoE, Bonjour, SLS/TLS |
| 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 Adress 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 |
| **I/O Interface** | |
| Audio Input/Output: | 1-ch audio input and 1-ch audio output |
| Alarm Input/Output: | 3 inputs, 3 outputs (up to 24 VDC 1 A or 24 VAC 1A ) |
| Network Interface: | 1x 10, 100 Base T, TX PoE+ (RJ-45) |
| Serial Interface(s): | 1x RS-485 |
| **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 |
| Face Detection: | Human face appears in the image can be detected and trigger event action |
| Tamper Protection: | Scene change and defocus |
| Event Source: | Video tampering, network disconnected, IP address conflicted, HDD full, HDD error, illegal login, motion detection, alarm input , line crossing, intrusion, human & vehicle target classification |
| Event Action: | Send E-mail, trigger alarm output, notify surveillance C-WERK, upload to FTP/NAS, trigger SD-card recording and/or image capture. |
| **Approvals** | |
| Protection Rating: | IP67 (IEC 60529-2013), IK10+ (IEC 62262:2002), NEMA 4X: NEMA 250-2014 |
| Regulation: | CE, EAC, FCC, RoHS Compliant |
| Standard: | ONVIF (Profile S, Profile G, Profile T), SDK/API |
| **Environmental** | |
| Operating Temperature: | -40 °C ~ 60 °C (-40 °F ~ 140 °F) |
| Humidity: | Less than 95%, non condensing |
| **Electrical** | |
| Surge Protection: | TVS 2000V Lightning Protection, Surge Protection and Voltage Transient Protection |

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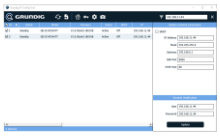
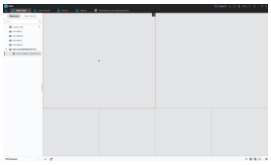
| **Electrical** | |
| Supply Voltage: | 12 VDC, 24 VAC, PoE (IEEE 802.3at) |
| Power Consumption: | Max. 15 W |
| **Mechanical** | |
| Mount: | Pan: 0° to 360°, tilt: 0° to 90°, rotation: 0° to 360°, 3-Axis Adjustment |
| Dimensions: | Ø 105 × 340 mm (Ø 4.1 × 13.4 inch) |
| Weight: | 1350 g (2.98 lb) |
| **Packaging** | |
| Package Dimensions: | 385 x 190 x 180 mm (15.2 x 7.5 x 7.1 inch) |
| Package Weight: | 2300 g (5.1 lbs) |
| Packaging Unit: | 9 |
| Bulk Package Dimensions: | 590 x 560 x 410 mm (23.2 x 22 x 16.1 inch) |
| Bulk Package Weight: | 21200 g (46.7 lbs) |

## Accessories

GD-CW-VIEWER



GD-CW-FINDER



GD-SW-SCMS

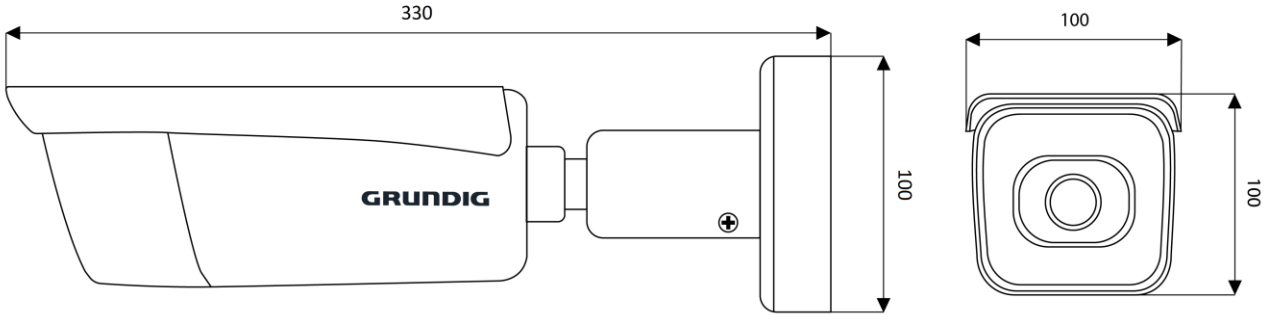
GD-HW-SD-128GB

GD-HW-SD-256GB

GD-BR-AMC03

GD-BR-AML01

## 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.