

Type: Box/Cube - IP - Camera

Item Code: GD-CI-AT12505B

EAN CODE: 4260573062874

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.

Deep Learning



Deep Learning is inspired by the complex structure of the human brain. This innovative method allows processing of information and performing corresponding actions based on analysis.

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

- Deep Learning - Human and Vehicle Analysis: Self learning human and vehicle classification improves unwanted alarm filtering
- 12 Megapixels CMOS, Colour/B&W Camera
- 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
- Audio Communication & Alarm Input / Output
- 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

Specifications GD-CI-AT12505B

Camera

Image Sensor:	1/1.7" progressive Scan CMOS
Video Resolution:	4000 × 3000
Sensitivity Colour:	0.009 Lux @ F1.2 (AGC ON)
Sensitivity B/W:	0.0009 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 (optional)

Video

Col/B&W:	On, Off, Auto, IR-cut filter removable (ICR)
Wide Dynamic Range:	Digital WDR
Image Enhancement:	BLC, 3D DNR, Defog, EIS, HLC, Distortion Correction
Image Settings:	Saturation, Brightness, Contrast, Sharpness, AGC 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

General

Reset Button:	yes
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Frame Rate

Main Stream:	50 Hz: 20 fps (4000 × 3000) 60 Hz: 20 fps (4000 × 3000) 50 Hz: 25 fps (4096 × 2160, 3840 × 2160, 3072 × 1728, 2560 × 1440, 1920 × 1080, 1280 × 720) 60 Hz: 30 fps (4096 × 2160, 3840 × 2160, 3072 × 1728, 2560 × 1440, 1920 × 1080, 1280 × 720)
Sub- Stream:	50 Hz: 25 fps (704 × 576, 640 × 480) 60 Hz: 30 fps (704 × 480, 640 × 480)
3rd Stream:	50 Hz: 25 fps (1920 × 1080, 1280 × 720, 704 × 576, 640 × 480) 60 Hz: 30 fps (1920 × 1080, 1280 × 720, 704 × 480, 640 × 480)
4th Stream:	50 Hz: 25 fps (1920 × 1080, 1280 × 720, 704 × 576, 640 × 480) 60 Hz: 30 fps (1920 × 1080, 1280 × 720, 704 × 480, 640 × 480)
4th Stream:	50 Hz: 25 fps (704 × 576, 640 × 480) 60 Hz: 30 fps (704 × 480, 640 × 480)
6th Stream:	50 Hz: 25 fps (1920 × 1080, 1280 × 720, 704 × 576, 640 × 480) 60 Hz: 30 fps (1920 × 1080, 1280 × 720, 704 × 480, 640 × 480)

*) Listed resolutions are only selectable options. It does not mean that all streams can work at their maximum resolution at the same time.

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+ 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)
Network Protocol:	TCP/IP, ICMP, HTTP, HTTPS, FTP, SFTP, SRTP, DHCP, DNS, DDNS, RTP, RTSP, RTCP, NTP, UPnP, SMTP, IGMP, 802.1X, QoS, IPv6, Bonjour, UDP, PPPoE, SNMP, SSL/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

Video Outputs:	1 Test Monitor output (CVBS, 1 Vpp). Adapter cable with female BNC connector included.
Audio Input/Output:	1 Inputs: line in, or mic in (built-in microphone), 1 Output: line out, mono sound
Alarm Input/Output:	2 inputs, 2 outputs (up to 24 VDC 1 A)
Network Interface:	1x 10, 100, 1000 Base T, TX (RJ-45)
Serial Interface(s):	1x RS485 half duplex

Intelligent Functions

Deep Learning Analytics:	Face Capture, Line crossing detection, intrusion detection, region entrance detection, region exiting detection, human, vehicle, detection of several target types, hard hat detection.
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
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 Recognition:	Detection of up to 30 faces simultaneously, 3 face libraries configurable with up to 30.000 faces each, recognition of face identity via face modeling, grading and comparing to faces stored in the library.
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, Profile T), SDK/API

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. 12 W

Mechanical

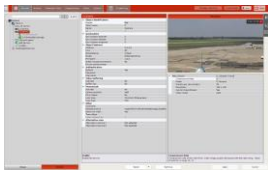
Dimensions: 143x 70 x 68 mm (5.61 x 2.75 x 2.68 inch)

Weight: 730 g (1.61 lb)

Packaging

Package Dimensions: 315 x 137 x 141 mm (12.4 x 5.4 x 5.6 inch)

Package Weight: 1000 g (2.2 lbs)

Accessories

GD-CW-VIEWER



GD-CW-FINDER



GD-SW-SCMS



GD-HW-SD-128GB



GD-HW-SD-256GB



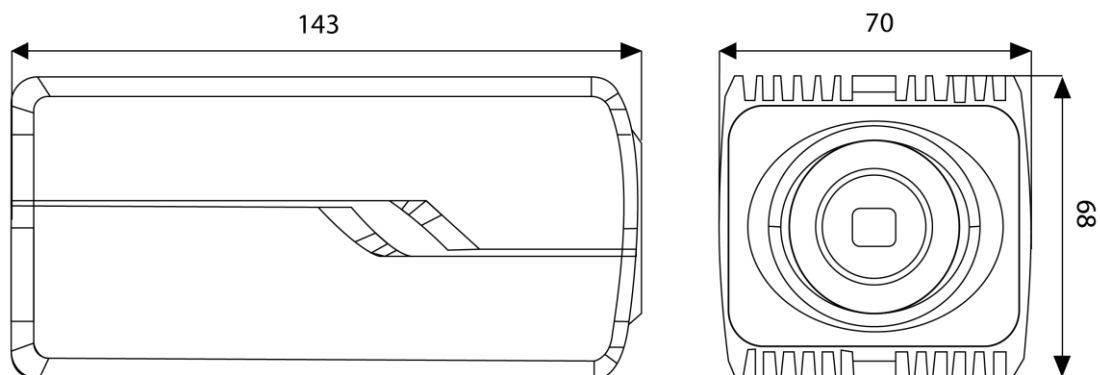
GD-LF-BT3611D-IR



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,

Guarantee

mechanical wear and tear on moving parts is not included. Please note our general delivery terms and conditions.