



Type: Fixed Dome - IP - Camera

Item Code: GD-CI-BT4537VH

EAN CODE: 4260573064748

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

- Deep Learning - Human and Vehicle Analysis: Self learning human and vehicle classification improves unwanted alarm filtering
- Motorized Varifocal Lens: f = 2.8 - 12 mm
- H.265/H.265+, H.264/H.264+ & MJPEG compression modes
- Built-in microphone
- Built in analytics function: Detection of line crossing, intrusion, region entrance, region exit, object removal, unattended baggage, face and scene change included
- Audio Communication & Alarm Input / Output
- 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
- Management platform for 3rd party APPs

Specifications GD-CI-BT4537VH

Camera

Image Sensor:	1/1.8" progressive Scan CMOS
Video Resolution:	2688 × 1520
Sensitivity Colour:	0.0014 Lux @ F1.4 (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, Fluorescent lamp, Incandescent lamp, Warm light, Natural light

Lens

Lens Focal Length:	2.8 ~ 12 mm motorized, autofocus
Iris F-Number:	F1.4
Lens Drive Type:	P-Iris
Field of View:	115° ~ 42° (horizontal), 59° ~ 24° (vertical), 141° ~ 48° (diagonal)

Illuminator

Max. IR Distance:	Up to 40 m
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Video

Col/B&W:	On, Off, Auto, IR-cut filter removable (ICR)
Wide Dynamic Range:	140 dB
Image Enhancement:	BLC, 3D DNR, Defog, 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

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

DRI Range:	Detection Range: 60 m to 149 m Recognition Range: 12 m to 29.8 m Identification Range: 6 m to 14.9 m
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Frame Rate

Main Stream:	50 Hz: 25 fps (2688 × 1520, 1920 × 1080, 1280 × 720) 60 Hz: 30 fps (2688 × 1520, 1920 × 1080, 1280 × 720)
Sub- Stream:	50 Hz: 25 fps (640 × 480, 640 × 360) 60 Hz: 30 fps (640 × 480, 640 × 360)
3rd Stream:	50 Hz: 10 fps (1920 × 1080, 1280 × 720, 640 × 480, 640 × 360) 60 Hz: 10 fps (1920 × 1080, 1280 × 720, 640 × 480, 640 × 360) * 3rd stream supported under certain settings
4th Stream:	50 Hz: 10 fps (1280 × 720, 640 × 480, 640 × 360) 60 Hz: 10 fps (1280 × 720, 640 × 480, 640 × 360) * 4th stream is supported under certain settings

Network

Number of Clients:	Up to 32, 6 simultaneously Live View
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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
Video Compression:	Main Stream: H.264, H.264+, H.265, H.265+ Sub-Stream: H.264, H.265, MJPEG Third Stream: H.264, H.265 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 ~ 8Mbps, adjustable
Scalable Video Coding (SVC):	supported
SD Memory:	Micro SD/SDHC/SDXC card slot with ANR (up to 512G), NAS (Support NFS, SMB/CIFS)
Web Browser:	Plug-in required live view: IE10/IE11 Non Plug-in live view: Chrome 57+, Mozilla Firefox 52+, EDGE 89+ Local Service: Chrome 57+, Firefox 52+, EDGE 89+
Multicasting:	supported
Network Protocol:	TCP/IP, ICMP, HTTP, HTTPS, FTP, DHCP, DNS, DDNS, RTP, RTSP, NTP, UPnP, SMTP, IGMP, 802.1X, QoS, IPv4, IPv6, UDP, Bonjour, SSL/TLS, PPPoE, SFTP, ARP, SNMP, WebSocket, WebSockets, SRTP
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
Streaming:	Four streams * fourth & third stream is supported under certain settings

I/O Interface

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 Base T (Ethernet), TX (RJ-45)

Intelligent Functions

Motion Detection:	Off, ON (Normal), Expert mode: 8 user-defined rectangular zones, by schedule
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 of people number is accounted and shown on screen in real time
Face Detection:	Human face appears in the image can be detected and trigger event action
Queue Length Detection:	Counts people in a predefined area and measures service time. The area, the maximum number of people in it and the maximum service time can be set
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
Event Source:	A variety of internal or external events can trigger actions such as alarm contacts, motion detection, video analytics parameters etc.

Intelligent Functions

Event Action:	Send E-mail, trigger alarm output, notify surveillance C-WERK, upload to FTP/NAS, trigger SD-card recording and/or image capture.
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Approvals

Protection Rating:	IP67 (IEC 60529-2013), IK10 (IEC 62262:2002), NEMA 4X (NEMA 250-2018)
Regulation:	CE, FCC, RoHS Compliant
Standard:	ONVIF (Profile S, Profile G, Profile T), ISAPI, SDK, ISUP

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
Supply Voltage:	12 VDC, 24 VAC, PoE (IEEE 802.3af)
Power Consumption:	Max. 12,9 W

Mechanical

Mount:	Pan: 0° to 355°, tilt: 0° to 75°, rotation: 0° to 355°, 3-Axis Adjustment
Dimensions:	Ø 162 x 142 mm (Ø6.4 x 5.5 inch)
Weight:	1550 g (3.41 lb)

Packaging

Package Dimensions:	251 x 215 x 189 mm (9.9 x 8.5 x 7.4 inch)
Package Weight:	2100 g (4.6 lbs)
Packaging Unit:	6
Bulk Package Dimensions:	587 x 447 x 270 mm (23.1 x 17.6 x 10.6 inch)
Bulk Package Weight:	13100 g (28.9 lbs)

Accessories

GD-BR-AMF10



GD-BR-AMP10



GD-BR-AMW01



GD-BR-ASN01



GD-BR-AWJ07



GD-BR-AMP10AC



GD-BR-AMW01AC

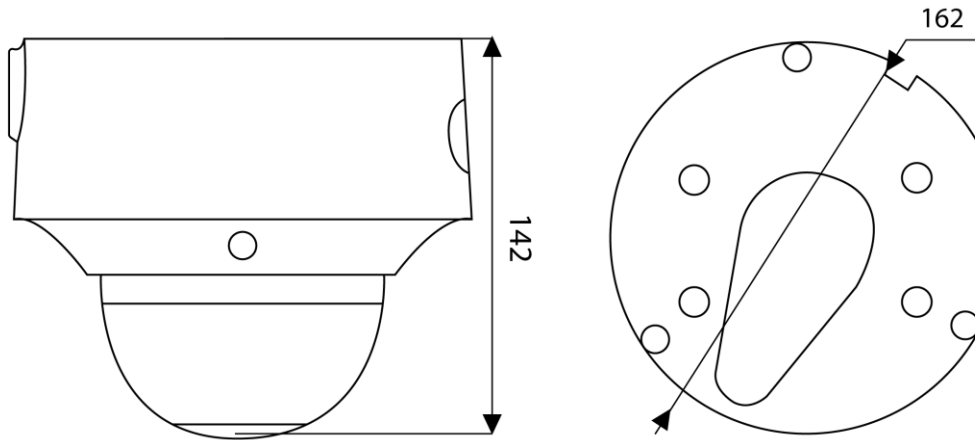


GD-BR-AML03AC



GD-BR-AMC01AC

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.