GD-CI-ET4747P

GRUNDIG

4MP	WDR	IP67	(((	IK10	⊕

Type: PTZ Dome - IP - Camera
Item Code: GD-CI-ET4747P
EAN CODE: 4260573065219

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.
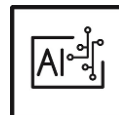
Object Classification

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.

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.

Features

- Deep Learning - Human and Vehicle Analysis: Self learning human and vehicle classification improves unwanted alarm filtering

- Intelligent Video Analytics Function

- 0 Lux: Integrated LED IR Illuminator viewable distance up to 400m

- Includes Wiper for front glass

- 42x motorized optical zoom with 16x digital zoom

Specifications GD-CI-ET4747P

Camera	
Image Sensor:	1/1.8" progressive Scan CMOS
Video Resolution:	2688 × 1520
Sensitivity Colour:	0.0003 Lux @ F1.2 (AGC ON)
Sensitivity B/W:	0.0001 Lux @ F1.2 (AGC ON), 0 Lux with IR
Shutter Speed:	1 ~ 1/30,000 s
White Balance:	Auto, Manual, ATW, Indoor, Outdoor, Flourescent light, Sodium light

Lens	
Lens Focal Length:	6 .0 ~ 252 mm, 42x Optical Zoom
Iris F-Number:	F1.2
Lens Drive Type:	Auto Iris (DC)
Focus Adjustment:	Auto, Manual, Semi-automatic, rapid focus
Optical Zoom Ratio:	42x
Digital Zoom:	16x
Field of View:	56.6° ~ 1.7° (horizontal), 33.7° ~ 0.9° (vertical), 63.4° ~ 1.9° (diagonal)

Illuminator	
Max. IR Distance:	Up to 400m
IR Angle:	Adjustable by zoom

Video	
Col/B&W:	Auto, Color, Removable IR-Cut Filter (ICR)
Wide Dynamic Range:	150 dB
Image Enhancement:	BLC, 3D DNR, Defog, EIS, HLC, AGC, Regional Exposure, Regional Focus
Day/Night Switch:	Color, BW, Auto
Privacy zones:	24 zones, rectangle, blackened or mosaic
Image Stabilisation:	Built-in gyroscope to improve electronic image stabilization (EIS)

Audio	
Audio Compression:	G.711ulaw/G.711alaw, G.722.1, G.726, MP2L2, PCM
Audio Bit Rate:	64Kbps(G.711)/16Kbps(G.722.1)/16Kbps(G.726)/32-196Kbps(MP2L2)

General	
DRI Range:	Detection: 3475 m Observation: 1380 m Recognition: 695 m Identification: 345 m
Reset Button:	yes
Accessories included:	Pendant mount bracket

Frame Rate	
Main Stream:	50 Hz: 50 fps (2688 x 1520, 2560 x 1440), 100 fps (1920 x 1080, 1280 x 960, 1280 x 720) 60 Hz: 60 fps (2688 x 1520, 2560 x 1440), 120 fps (1920 x 1080, 1280 x 960, 1280 x 720) *High frame rate is supported in monitoring mode only.
Sub- Stream:	50 Hz: 25 fps (704 × 576, 640 × 480, 352 × 288) 60 Hz: 30 fps (704 × 480, 640 × 480, 352 × 240)
3rd Stream:	50 Hz: 25 fps (1920 × 1080, 1280 × 960, 1280 × 720, 704 × 576, 640 × 480, 352 × 288) 60 Hz: 30 fps (1920 × 1080, 1280 × 960, 1280 × 720, 704 × 480, 640 × 480, 352 x 240)

Network

Number of Clients:	Up to 32, 20 simultaneously
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, MJPEG
Region of Interest:	8 fixed regions for each stream
H.264 code profile:	Baseline Profile / Main Profile / High Profile
Bit Rate:	32Kbps ~ 16Mbps, adjustable
Scalable Video Coding (SVC):	supported
Client software:	C-WERK Viewer, SCMS, IOS App, Android App (SCMS)
Web Browser:	Plug-in required live view: IE10/IE11 Non Plug-in live view: Chrome 57+, Mozilla Firefox 52+ Local Service: Chrome 57+, Firefox 52+
Network Protocol:	TCP/IP, ICMP, HTTP, HTTPS, FTP, DHCP, DNS, DDNS, RTP, RTSP, RTCP, NTP, UPnP, SNMP, SMTP, IGMP, 802.1X, QoS, IPv4/IPv6, UDP, PPPoE, Bonjour, SRTP, SFTP, 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 1.2, TLS 1.3, 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
Network Storage:	Micro SD, SDHC, SDXC card with ANR (up to 1 TB) , NAS (Support NFS, SMB, CIFS)

Pan Tilt Zoom

Number of Privacy Zones:	24 programmable polygon zones, mask color or mosaic
Number of Patrols:	8 patrols, up to 32 presets for each patrol
Number of Pattern:	4 pattern scans, record time over 10 minutes for each scan
Number of Preset:	300
Pan Speed:	Configurable, from 0.1°/sec to 210°/sec, Preset Speed: 280°/sec
Tilt Speed:	Configurable from 0.1°/sec to 150°/sec, Preset Speed: 250°/sec
Range Panning:	360° endless
Range Tilting:	-20° ~ 90°
Schedule:	Preset, Pattern Scan, Patrol Scan, Auto Scan, Tilt Scan, Random Scan, Frame Scan, Panorama Scan, Dome Reboot, Dome Adjust, Aux Output
Park Action:	Preset, Patrol, Pattern, Auto scan, Tilt scan, Random scan, Frame scan, Panorama scan
Preset Freezing:	Support
Proportional Zoom:	Rotation speed can be adjusted automatically according to zoom multiples
PTZ Status Display:	ON, OFF
Tracking Functions:	Manual Tracking, Auto Tracking, Event Tracking

I/O Interface

Video Outputs:	1x CVBS (1 Vcc) BNC
Audio Input/Output:	1-ch audio input and 1-ch audio output
Alarm Input/Output:	7 inputs, 2 outputs (up to 12 VDC, 30 mA) , terminal block
Network Interface:	1x 10, 100 Base T, TX HiPoE (RJ-45)
Serial Interface(s):	1x RS-485

Intelligent Functions

Deep Learning Analytics:	Face Capture, Line crossing detection, intrusion detection, region entrance detection, region exiting detection, detection of people and vehicles with preselected features
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:	Up to 30 human faces can be captured simultaneously and supports detecting, capturing, gradind, selecting of face in motion and output tbe best face image
License Plate Recognition:	License Plate Recognition (LPR) , vehicle model & colour recognition
Crowd Density Detection:	Counts people in a predefined area. The area, the maximum number of people in it can be set
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, region entrance & exit, unattended baggage, object removal, audio exception, intrusion, face detection
Parking Management:	It identifies parking violations within a specified area. If the parking duration exceeds a predefined limit, the device can trigger corresponding actions. This system is suitable for use on expressways and one-way streets.
Fast Moving Detection:	When fast-moving targets are detected in a designated area, the device will initiate related actions and activate an alarm.
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Approvals

Protection Rating:	IP67 (IEC 60529-2013), IK10 (IEC 62262:2002)
Regulation:	CE, RoHS Compliant
Standard:	ONVIF (Profile S, Profile G, Profile T, Profile M), SDK/API
MTBF at 25° C:	>50,000 hours

Environmental

Operating Temperature:	-40 °C ~ 70 °C (-40 °F ~ 158 °F)
Humidity:	Less than 95%, non condensing

Electrical

Surge Protection:	TVS 6000V Lightning Protection, Surge Protection and Voltage Transient Protection
Supply Voltage:	36 VDC, PoE (IEEE 802.3bt)
Power Consumption:	Max. 50 W

Mechanical

Dimensions:	Ø 267 × 430 mm (Ø 10.51 × 16.93 inch)
Weight:	9600 g (21.16 lb)

Options

Wiper:	Built-in front glass motorized Wiper

Packaging

Package Dimensions:	330 x 325 x 585 mm (13 x 12.8 x 23 inch)
Package Weight:	11500 g (25.4 lbs)
Packaging Unit:	2
Bulk Package Dimensions:	680 x 351 x 700 mm (26.8 x 13.8 x 27.6 inch)

Packaging

Bulk Package Weight:	20500g (45.19 lbs)

Accessories

GD-CW-VIEWER

GD-CW-FINDER

GD-SW-SCMS

GD-HW-SD-128GB

GD-HW-SD-256GB

GD-BR-AMA01S

GD-BR-AMC04S

GD-BR-AML06S

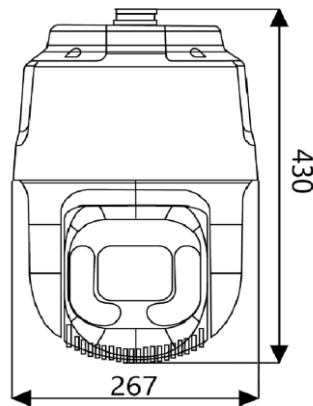GD-BR-AMP01S

GD-BR-AMP04S

GD-BR-AMP07S

GD-BR-AMW08S

GD-BR-AMW10S

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.