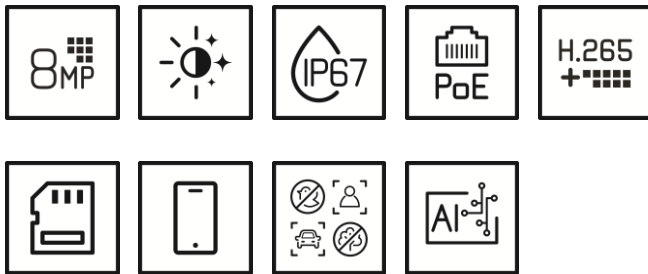# GRUNDIG

GU-CI-AC8616E

8 MP Turret IP-Camera 2.8mm

● Reduction of unwanted alarms (false alarms) by classifying target objects using deep learning algorithms. This significantly reduces false alarms generated by objects other than people or vehicles. This makes finding events easier and saves hard drive capacity

● Many AI functions integrated such as face detection, intrusion detection, object counting, queues, heat map and much more

● Lens: f = 2.8 mm

● Built-in microphone

● NDAA compliant

SMART

● Product Line SMART: These products cover most applications of modern video systems plus advanced AI analytics

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Item Code: GU-CI-AC8616E

EAN CODE: 4260573063895

Specifications GU-CI-AC8616E

Camera

Image Sensor:	1/2.7" progressive Scan CMOS
Video Resolution:	3840 × 2160
Sensitivity Colour:	0.009 Lux @ F1.6 (AGC ON)
Sensitivity B/W:	0 Lux LED IR on
Shutter Speed:	1/5 ~ 1/20000 s
Slow Shutter:	Support
White Balance:	Auto , Manual

Lens

Lens Focal Length:	2.8 mm
Iris F-Number:	F1.6
Lens Drive Type:	Fixed Iris
Field of View:	110° (horizontal), 58° (vertical), 132° (diagonal)

Illuminator

Max. IR Distance:	Up to 30 m

Video

Col/B&W:	Auto, IR-cut filter removable (ICR)
Wide Dynamic Range:	Digital WDR
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, Image

Audio

Audio Detection:	Detects unusual noises: dogs barking, babies crying, gunshots, sudden sound increase and decrease

Network

Functions:	One-key reset, anti-flicker, three streams, mirror, password protection, privacy mask, IP-address filter
Video Compression:	H.264, H.264+, H.265, H.265+ , MJPEG
Bit Rate:	256 Kbps to 16 Mbps
SD Memory:	Built-in Micro SD, SDHC, SDXC slot from 32 up to 256 GB
Frame Rate:	Main Stream : 20 fps (3840x2160) 25 fps (2592x1944, 3072x1728, 2592x1520, 2304x1296, 1920 x 1080, 1280x960, 1280x720) Sub Stream: 25 fps (1280 x 720, 640x480, 320x240) 3. Stream: 20 fps (640x480, 320x240)
Network Protocol:	TCP/IP, IPv4/IPv6, HTTP, HTTPS, FTP, DHCP, DNS, DDNS, RTP, RTSP, NTP, UPnP, SMTP, PPPoE, SNMP

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Network

Cyber Security:	Different password levels, password protection, complicated password, HTTPS encryption, digest authentication for HTTP/HTTPS , IP address filter, WSSE and digest authentication for ONVIF, RTP/RTSP over HTTPS, control timeout settings, security audit log, TLS 1.0, TLS 1.1 & TLS 1.2, TLS 1.2 with updated cipher suites including AES 256 encryption, Brute Force Delay Protection, Signed Firmware.

I/O Interface

Audio Input/Output:	Built-in microphone
Network Interface:	1x 10, 100 Base T, TX PoE (RJ-45)

Intelligent Functions

Motion Detection:	On, Off, Area Setting, Sensitivity
People & Vehicle Detection:	Adjustable whether people, motorized or non-motorized vehicles should be detected.
Intrusion Detection:	People, motorized vehicles or non-motorized vehicles, enter, exit or drive over a predefined virtual area, up to 4 rules are supported
Line Crossing:	People, motorized vehicles or non-motorized vehicles cross a pre-defined virtual line, up to 4 rules are supported
Object Removal:	Detects objects left over or lost in the pre-defined region such. In this case an alarm notification or signal will be sent automatically and in real time.
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
Heat Map:	Visualizes the number of people in the surveillance area over a period of time with a simple and user-friendly color scheme
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
Crowd Density Detection:	Counts people in a predefined area. The area, the maximum number of people in it can be set
Limits of intelligent functions:	Only one of the AI functions can be selected at a time
Event Source:	Motion, Alarm, Video Loss, Video Tampering, HDD full, HDD error
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)
Regulation:	CE, EAC, FCC, RoHS Compliant
Standard:	ONVIF (Profile S, Profile G, Profile T), SDK/API

Environmental

Operating Temperature:	-35 °C ~ 60 °C (-31 °F ~ 140 °F)
Humidity:	Less than 95%, non condensing

Electrical

Supply Voltage:	12 VDC, PoE (802.3af)
Power Consumption:	Max. 5.5 W

Mechanical

Mount:	Pan: 0° to 360°, tilt: 0° to 90°, rotation: 0° to 360°, 3-Axis Adjustment
Dimensions:	Ø 100 x 90 mm (Ø 3.9 × 3.53 inch)
Weight:	420 g (0.93 lb)

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Accessories:

GU-BR-AJX01

GU-BR-AJX02

GU-BR-AMW04

Dimensions:

Ø 100

70

90

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