



Type: Turret - IP - Camera

Item Code: GU-CI-AC4636E

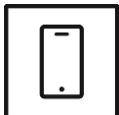
EAN CODE: 4260573067275

SMART

The SMART product line offers comprehensive coverage of modern video systems with advanced AI analysis and solutions for various application areas.

Highlights

Smartphone App



The mobile application was developed to facilitate operators in effectively controlling and managing video systems remotely, at any time. It allows for live image viewing, playback of recorded video data, and receipt of remote notifications.

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.

Smart Line ECO

The SMART ECO product line from GRUNDIG Security offers reliable and modern surveillance solutions. In addition to the usual reliability, these innovative cameras feature advanced image analysis functions supported by Artificial Intelligence (AI). This effectively reduces false alarms by classifying objects as 'Vehicle', 'Person', or 'Other', enabling optimal resource utilization. SMART ECO cameras are user-friendly and can be installed easily. Their robust metal casing provides extra protection against vandalism. These products combine an excellent price-performance ratio and are ideally suited for a wide range of applications in small businesses.

Features

- 4 Megapixel IP Camera with real time video streaming
- 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
- Motorized Varifocal Lens: $f = 2.8 - 12 \text{ mm}$
- Audio Communication & Alarm Input / Output
- Support Dual Power PoE/DC12V

NDA compliant

GRUNDIG Security's SMART line is fully compliant with the National Defense Authorization Act (NDAA), which prohibits U.S. federal agencies and their partners from using video surveillance and telecommunications equipment or services from certain Chinese companies. This law is part of the John S. McCain NDAA and is effective August 2020.

With our SMART product line, you can be confident that your security system complies with this important regulation. Our products meet the highest standards of quality and reliability, providing you with the security you need to protect your assets and personnel.

Specifications GU-CI-AC4636E

Camera

Image Sensor:	1/3" progressive Scan CMOS
Video Resolution:	2560 x 1440
Sensitivity Colour:	0.006 Lux @ F1.8 (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 ~ 12 mm motorized, autofocus
Iris F-Number:	F1.8 ~ 3.3
Lens Drive Type:	Fixed Iris
Digital Zoom:	4x
Field of View:	91° (horizontal), 46° (vertical), 109° (diagonal)

Illuminator

Max. IR Distance:	Up to 45 m
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Video

Col/B&W:	Auto, IR-cut filter removable (ICR)
Wide Dynamic Range:	72 db (Digital Wide Dynamic Range)
Image Enhancement:	BLC, 3D DNR, HLC
Image Settings:	Corridor 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:	4 zones, rectangle

Audio

Audio Compression:	G.711
Audio Detection:	Detects unusual noises: dogs barking, babies crying, gunshots, sudden sound increase and decrease

General

DRI Range:	Tele: Detection: 190 m, Observation: 76 m, Recognition: 38 m, Identification: 19 m Wide: Detection: 70 m, Observation: 28 m, Recognition: 14 m, Identification: 7 m DORI (Detect, Observe, Recognize and Identify) is a standard system (EN-62676-4) for defining the ability of a person viewing the video to distinguish persons or objects within a covered area. The numbers in this table do not reflect intelligent function distances.
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Frame Rate

Main Stream:	50 Hz: 25 fps (2560 x 1440) 60 Hz: 25 fps (2560 x 1440)
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Frame Rate

Sub- Stream:	50 Hz: 25 fps (1280 × 720, 640 × 480, 320 × 240)
	60 Hz: 30 fps (1280 × 720, 640 × 480, 320 × 240)

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 8 Mbps
Bitrate control:	Constant Bitrate (CBR), Variable Bitrate (VBR)
Streaming Method:	Unicast, Multicast
SD Memory:	Built-in Micro SD up to 512 GB, NAS (Support NFS, SMB/CIFS)
Web Browser:	Safari V12.1+, Mozilla Firefox V.52+, Google chrome V.57+, MS Edge V.79+
Network Protocol:	TCP/IP, HTTP, HTTPS, FTP, DHCP, DNS, DDNS, RTP, RTSP, NTP, UPnP, SMTP, SNMP, 802.1X, IPv4/IPv6, PPPoE
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:	1-ch audio input and 1-ch audio output
Alarm Input/Output:	1 input, 1 output (up to 12 VDC, 30 mA)
Network Interface:	1x 10, 100 Base T, TX PoE (RJ-45)

Intelligent Functions

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
People & Vehicle Detection:	Adjustable whether people, motorized or non-motorized vehicles should be detected.
Motion Detection:	On, Off, Area Setting, Sensitivity
Region Entrance:	Enter a pre-defined virtual region from the outside place
Region Exiting:	Exit from a pre-defined virtual region
Limits of intelligent functions:	Only one of the AI functions can be selected at a time
Event Source:	Video tampering, network disconnected, IP address conflicted, HDD full, HDD error, illegal login, motion detection
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
MTBF at 25° C:	>60.000 hours

Environmental

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

Electrical

Supply Voltage:	12 VDC, PoE (IEEE 802.3af)
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Electrical

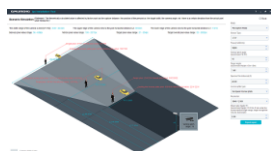
Power Consumption:	Max. 8 W
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Mechanical

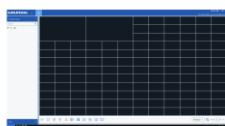
Mount:	Pan: 0° to 360°, tilt: 0° to 90°, rotation: 0° to 360°, 3-Axis Adjustment
Dimensions:	Ø 136× 127 mm (Ø5.3 × 4.95 inch)
Weight:	820 g (1.8 lb)

Packaging

Package Dimensions:	180 x 180 x 150 mm (7.1 x 7.1 x 5.9 inch)
Package Weight:	1100 g (2.4 lbs)
Packaging Unit:	8
Bulk Package Dimensions:	375 x 375 x 320 mm (14.8 x 14.8 x 12.6 inch)
Bulk Package Weight:	10500 g (23.1 lbs)

Accessories

GU-SW-INST-TOOL



GU-SW-VMS



GU-SW-IP-FINDER



GU-SW-PLAYER



GD-HW-SD-128GB



GD-HW-SD-256GB



GU-BR-AJX11



GU-BR-AMW05

Smart Line ECO Guarantee

All cameras in the Smart Line ECO have an extended warranty period of 3 years on electronic parts, mechanical wear and tear on moving parts is not included. Please note our general delivery terms and conditions.

Environmentally friendly packaging

Our environmentally friendly packaging with less colour print is made from 100% recyclable material. To save resources, our detailed operating instructions are available online for download. The quick reference guides that come with the devices are printed on 100% recycled paper.