



Type: Fixed Dome - IP - Camera

Item Code: GU-CI-AP12616F

EAN CODE: 4260573064861

## SMART

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

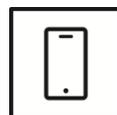
## Highlights

### 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.

### 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.

## Smart Line

In addition to the usual reliability, the SMART product line from GRUNDIG Security offers numerous image analysis functions, supported by artificial intelligence (AI). For example, use the LPR function to recognize license plates or facial recognition to identify people. Or reduce the number of false alarms by classifying objects as 'Vehicle', 'Person' or 'Other'. GRUNDIG Security's SMART cameras are able to detect people in crowds, count the number of heads and measure the length of queues, e.g. B. to be determined in the checkout area. In this way, they help you to use your resources optimally. They also inform you if unauthorized people cross predefined lines or enter certain areas.

## Features

- 0 Lux: Integrated LED IR Illuminator viewable distance up to 10m
- Built in Microphone/ Speaker echo cancellation
- Hardware Dewarp

## 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-AP12616F

### Camera

Image Sensor:	1/2.3" progressive Scan CMOS
Resolution (MP):	12 MP
Video Resolution:	4000 × 3000
Sensitivity Colour:	0.01 Lux
Sensitivity B/W:	0 Lux LED IR on
Shutter Speed:	1/5 ~ 1/20000 s
White Balance:	Auto , Manual

### Lens

Lens Focal Length:	1.6 mm
Iris F-Number:	F2.0
Lens Drive Type:	Fixed Iris
Field of View:	180°

### Illuminator

Max. IR Distance:	Up to 10 m
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### Video

Col/B&W:	Auto, Color, Removable IR-Cut Filter (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
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### Frame Rate

1. Video Stream:	50 Hz: 15 fps (4000 × 3000)
	60 Hz: 15 fps (4000 × 3000)
	50 Hz: 25 fps (3000 × 3000, 2560 × 2560, 2160 × 2160, 1520 × 1520)
	60 Hz: 30 fps (3000 × 3000, 2560 × 2560, 2160 × 2160, 1520 × 1520)
2. Video Stream:	50 Hz: 15 fps (1280 × 960, 640 × 480)
	60 Hz: 15 fps (1280 × 960, 640 × 480)
	50 Hz: 25 fps (1080 × 1080, 720 × 720, 480 × 480)
	50 Hz: 30 fps (1080 × 1080, 720 × 720, 480 × 480)
3. Video Stream:	50 Hz: 15 fps (640 × 480)
	60 Hz: 15 fps (640 × 480)
	50 Hz: 25 fps (480 × 480)
	60 Hz: 30 fps (480 × 480)

**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
Network Protocol:	TCP/IP, IPv4/IPv6, HTTP, HTTPS, FTP, DHCP, DNS, DDNS, RTP, RTSP, NTP, UPnP, SMTP, PPPoE, SNMP
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 & built-in speaker
Network Interface:	1x 10, 100 Base T, TX PoE (RJ-45)

**Intelligent Functions**

Motion Detection:	On, Off, Area Setting, Sensitivity
Event Source:	Video tampering, network disconnected, IP address conflicted, motion, various AI functions, sudden audio increase-decrease
Event Action:	Send e-mail, trigger alarm output, push notification for GSVM App and C-WERK, upload to FTP/Cloud, trigger HDD recording and/or image capture, show message on screen, PTZ linkage, voice prompt, buzzer

**Approvals**

Protection Rating:	IP66 (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 (IEEE 802.3af)
Power Consumption:	Max. 9.5 W

**Mechanical**

Mount:	Pan: 0° to 355°, tilt: 0° to 90°, rotate: 0° to 355°, 3-Axis Adjustment
Dimensions:	Ø 120 x 55 mm (Ø4.72 x 2.16 inch)
Weight:	400 g (0.88 lb)

**Packaging**

Package Dimensions:	150 x 150 x 100 mm (5.9 x 5.9 x 3.9 inch)
Package Weight:	550 g (1.2 lbs)
Packaging Unit:	20
Bulk Package Dimensions:	520 x 315 x 315 mm (20.47 x 12.4 x 12.4 inch)
Bulk Package Weight:	12500 g (27.6 lbs)

**Accessories**



GU-BR-AJX13



GU-BR-AMP02

## Guarantee

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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.

## Environmentally friendly packaging

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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.