Product Overview 2026
Video Security

SMART Product Line

GRUNDIG

What can you expect from the SMART product line from GRUNDIG Security?

Leaving our tried and tested reliability aside, you will also find a whole lot of image analysis functions, supported by artificial intelligence (AI). And there's a lot of functionality available. You can use facial recognition, for instance, to recognise people, or the LPR function to identify vehicle licence plates. Or you can quite simply reduce the frequency of false alarms signalling a spurious break-in or perimeter breach, by classifying objects as 'vehicle', 'person' or 'other'.

The SMART cameras from GRUNDIG Security can recognise faces in crowds of people, count heads and determine the length of queues at your supermarket till, therefore helping you to make the best possible use of your resources. They'll let you know when unauthorised people cross pre-defined lines or enter certain areas, and they'll trigger an alarm when objects are left at your doorstep.

These are just a few examples out of a plethora of possibilities which the exceptionally flexible SMART line products from GRUNDIG Security are able to offer.

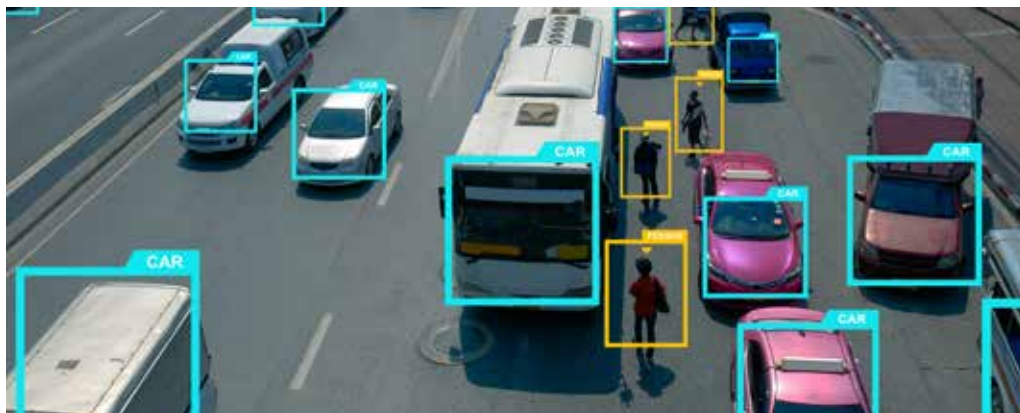So, if you want more than just pretty pictures and long recording times, please get in touch.

We look forward to hearing from you!

Content

Identify licence plates

The licence plate recognition function enables reliable and automated access control, for example on a company's premises. The legitimisation of the respective vehicle is regulated via black and white lists.

Classify persons & vehicles

The GRUNDIG Security Smart Line cameras allow for clear classification of people and vehicles. This enables users, e.g. control centre operators, to define alarm events and responses even more precisely. The bidirectional audio function also allows direct communication with people on site.

Identify faces

As soon as a face is recognised, alarm information, including attributes such as gender and age, is reported. The data is compared with the database: If the face is not stored in the database, it is recognised as "unknown". Wearing a face mask can also be defined as a recognition attribute.

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Enter area

The "enter area" detection function allows the precise definition of areas. As soon as someone enters the defined area, an alarm message is triggered. The moving object is classified as a person, motorised or non-motorised vehicle. Four different customisable rules are available for the alarm response.

Manage queues

An alarm will be triggered as soon as a queue reaches a certain length. Alternatively, this function can be used to trigger an event by exceeding a certain dwell time.

Detect left/removed objects

The "left/removed objects" detection function offers two usage options: objects located in a predefined area can be quickly identified. The function can also be used to detect the removal of any objects in this area.
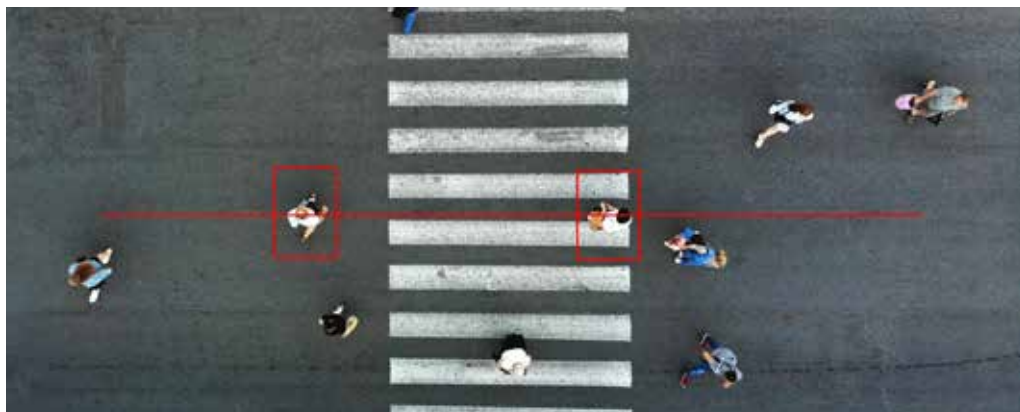
Use Heat Map

The heat map function facilitates the identification of areas where people prefer to stay or which are less frequented.

Cross lines

If "Line crossing" is activated, crossing a previously defined line triggers an alarm message. The corresponding object is classified as a person, motorised or non-motorised vehicle. Four different customisable rules are available for the alarm response.

Analyse crowds

An alarm is triggered as soon as the set number of people in a predefined area is exceeded. An acoustic message can also be emitted.

Count people/objects

The "people/object counting" analysis function reliably counts people, moving objects as well as motorised or non-motorised vehicles, also in two different directions. By means of powerful reports, the collected data can be evaluated for further use.

Detect unusual noises

This audio analysis function detects unusual noises such as barking dogs, baby crying and gunshots, thereby triggering an alarm. The sensitivity of this function can be adjusted infinitely.

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	GU-CI-AC5617E	GU-CI-AC5617EB	GU-CI-AC5637E	GU-CI-AC8616E
	Smart	**Smart**	**Smart**	**Smart**
Video Resolution	2880 x 1620	2880 x 1620	2880 x 1620	3840 × 2160
Sensitivity Colour	0.004 Lux @ F1.6 (AGC ON)	0.004 Lux @ F1.6 (AGC ON)	0.004 Lux @ F1.6 (AGC ON)	0.009 Lux @ F1.6 (AGC ON)
Lens Focal Length	2.8 mm	2.8 mm	2.8 ~ 12 mm motorized, autofocus	2.8 mm
Col/B&W	Auto, IR-cut filter removable (ICR)			
Wide Dynamic Range	120 dB			Digital WDR
Image Enhancement	BLC, 3D DNR, HLC			
Max. IR Distance	Up to 30 m		Up to 45 m	Up to 30 m
Video Compression	H.264, H.264+, H.265, H.265+ , MJPEG			
SD Memory	Built-in Micro SD, up to 512 GB, NAS (supports NFS, SMB/CIFS)			
Audio Input/Output	Built-in microphone		1-ch input and 1-ch output	Built-in microphone
Audio Detection	Detects unusual noises: dogs barking, babies crying, gunshots, sudden sound increase and decrease			
License plate Recognition	If SD-card is applied or Smart recorder is connected			-
Intelligent Analytics Functions	Detection of Motion, People & Vehicle, Intrusion, Line Crossing, Object Removal, Object Counting, Faces, Queue Length and/or Crowd Density Detection as well as Heat Map			
Operating Temperature	-35 °C ~ 60 °C (-31 °F ~ 140 °F)			
Supply Voltage	12 VDC, PoE (802.3af)			
Power Consumption	Max. 5.5 W		Max. 9.5 W	Max. 5.5 W
	IP67	IP67	IP67	IP67

	GU-CI-AC5617V	GU-CI-AC5617VB	GU-CI-AC5617W	GU-CI-AC5637V	GU-CI-AC5637VB	GU-CI-AC8616V
	Smart	Smart	Smart	Smart	Smart	Smart
Video Resolution	2880 x 1620	2880 x 1620	2880 x 1620	2880 x 1620	2880 x 1620	3840 × 2160
Sensitivity Colour	0.004 Lux @ F1.6 (AGC ON)	0.004 Lux @ F1.6 (AGC ON)	0,004 Lux @ F1.6 (AGC ON)	0.004 Lux @ F1.6 (AGC ON)	0.004 Lux @ F1.6 (AGC ON)	0.009 Lux @ F1.6 (AGC ON)
Lens Focal Length	2.8 mm	2.8 mm	2,8 mm	2.8 ~ 12 mm motorized, autofocus	2.8 ~ 12 mm motorized, autofocus	2.8 mm
Col/B&W	Auto, IR-cut filter removable (ICR)					
Wide Dynamic Range	120 dB					Digital WDR
Image Enhancement	BLC, 3D DNR, HLC					
Max. IR Distance	Up to 20 m			Up to 30 m		Up to 20 m
Video Compression	H.264, H.264+, H.265, H.265+ , MJPEG					
SD Memory	Built-in Micro SD, up to 512 GB, NAS (supports NFS, SMB/CIFS)					
Audio Input/Output	Built-in microphone			1-ch input and 1-ch output		Built-in microphone
Audio Detection	Detects unusual noises: dogs barking, babies crying, gunshots, sudden sound increase and decrease					
License plate Recognition	If SD-card is applied or Smart recorder is connected					-
Intelligent Analytics Functions	Detection of Motion, People & Vehicle, Intrusion, Line Crossing, Object Removal, Object Counting, Faces, Queue Length and/or Crowd Density Detection as well as Heat Map					
Operating Temperature	-35 °C ~ 60 °C (-31 °F ~ 140 °F)					
Supply Voltage	12 VDC, PoE (802.3af)					
Power Consumption	Mas. 5.5 W	Max. 4 W	Max. 7 W			Max. 5.5 W

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	GU-CI-AC5617T	GU-CI-AC5617TB	GU-CI-AC5637T	GU-CI-AC8616T
	Smart	Smart	Smart	Smart
Video Resolution	2880 x 1620	2880 x 1620	2880 x 1620	3840 × 2160
Sensitivity Colour	0.004 Lux @ F1.6 (AGC ON)	0.004 Lux @ F1.6 (AGC ON)	0.004 Lux @ F1.6 (AGC ON)	0.009 Lux @ F1.6 (AGC ON)
Lens Focal Length	3.6 mm	3.6 mm	2.8 ~ 12 mm motorized, autofocus	3.6 mm
Col/B&W	Auto, IR-cut filter removable (ICR)			
Wide Dynamic Range	120 dB		120 dB	Digital WDR
Image Enhancement	BLC, 3D DNR, HLC			
Max. IR Distance	Up to 30 m		Up to 45 m	Up to 30 m
Video Compression	H.264, H.264+, H.265, H.265+ , MJPEG			
SD Memory	Built-in Micro SD, up to 512 GB, NAS (supports NFS, SMB/CIFS)			
Audio Input/Output	Built-in microphone		1-ch input and 1-ch output	Built-in microphone
Audio Detection	Detects unusual noises: dogs barking, babies crying, gunshots, sudden sound increase and decrease			
License plate Recognition	If SD-card is applied or Smart recorder is connected			-
Intelligent Analytics Functions	Detection of Motion, People & Vehicle, Intrusion, Line Crossing, Object Removal, Object Counting, Faces, Queue Length and/or Crowd Density Detection as well as Heat Map			
Operating Temperature	-35 °C ~ 60 °C (-31 °F ~ 140 °F)			
Supply Voltage	12 VDC, PoE (802.3af)			
Power Consumption	Max. 5.5 W		Max. 9.5 W	Max. 5.5 W

IP67 | IP67 | IP67 | IP67

	GU-CI-AP4634T	GU-CI-AP5634T	GU-CI-AP8634T	GU-CI-BP8634T
	Smart	**Smart**	**Smart**	**Smart**
Video Resolution	2560 x 1440	2880 x 1620	3840 x 2160	3840 x 2160
Sensitivity Colour	0.0005 Lux @ F1.0 (AGC ON)	0.004 Lux @ F1.6 (AGC ON)	0,0008 Lux @ F1.7 (AGC ON)	0,0008 Lux @ F1.7 (AGC ON)
Lens Focal Length	2.8 ~ 12 mm motorized, autofocus	5 ~ 50 mm motorized, autofocus	2,8 ~ 12 mm, motorized, autofocus, P-IRIS	8 ~ 32 mm, motorized, autofocus, P-IRIS
Col/B&W	Auto, IR-cut filter removable (ICR)			
Wide Dynamic Range	120 dB	120 dB	120 dB	120 dB
Image Enhancement	BLC, 3D DNR, HLC, Defog	BLC, 3D DNR, HLC	BLC, 3D DNR, HLC, DIS	
Max. IR Distance	Up to 50 m	Up to 80 m	Up to 50 m	Up to 100 m
Video Compression	H.264, H.264+, H.265, H.265+ , MJPEG			
SD Memory	Built-in Micro SD, up to 512 GB, NAS (supports NFS, SMB/CIFS)			
Audio Input/Output	1 input: Line/microphone input and built-in microphone, 1 output: Line output and built-in speaker			
Audio Detection	Detects unusual noises: dogs barking, babies crying, gunshots, sudden sound increase and decrease			
License plate Recognition	If SD-card is applied or Smart recorder is connected			
Intelligent Analytics Functions	Detection of Motion, People & Vehicle, Intrusion, Line Crossing, Object Removal, Object Counting, Faces, Queue Length and/or Crowd Density Detection as well as Heat Map			
Operating Temperature	-35 °C ~ 60 °C (-31 °F ~ 140 °F)			
Supply Voltage	12 VDC, PoE (802.3af)			
Power Consumption	Max. 9.5 W		Max. 13.5 W	

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	GU-CI-AP12616F	GU-CI-AP4634V	GU-CI-AP5647P	GU-CI-AP8744P	GU-CI-AP8616Q	GU-CI-AP20527Q	GU-CI-AT32637Q
	Smart	Smart	Smart	Smart	Smart	Smart	Smart
Video Resolution	4000 × 3000	2560 x 1440	2592 x 1944	3840 x 2160	5120 x 1440	2880 x 1620	3840 x 2160
Sensitivity Colour	0.01 Lux @ F1.6 (AGC ON)	0,001 Lux @ F1.6 (AGC ON)	0.003 Lux @ F1.6 (AGC ON)	0,0005 Lux @ F1.6 (AGC ON)	0.001 Lux @ F 1.6 (AGC ON)	0.006 Lux @ F1.2 (AGC ON)	
Lens Focal Length	1.6 mm	2,8~12 mm motorisiert, Auto-fokus	4.3 ~ 142 mm motorized, autofocus	5,5 ~ 202 mm motorisiert, Autofokus	2 x 2.8 mm	4 x 2,8 ~ 12 mm motorized, autofocus	
Col/B&W	Auto, Color, Removable IR-Cut Filter (ICR)						
Wide Dynamic Range	Digital WDR	120 dB			Digital WDR	120 dB	
Image Enhancement	BLC, 3D DNR, HLC	BLC, 3D DNR, HLC, Defog	BLC, 3D DNR, HLC	BLC, 3D DNR, HLC, DIS	BLC, 3D DNR, HLC	BLC, 3D DNR, Defog, HLC	
Max. IR Distance	Up to 10 m	Up to 20 m	Up to 150 m	Bis zu 200 m		Up to 30 m	
Video Compression	H.264, H.264+, H.265, H.265+ , MJPEG						
SD Memory	Built-in Micro SD, up to 512 GB, NAS (supports NFS, SMB/CIFS)						
Audio Input/Output	Built-in microphone & built-in speaker	1-ch input and 1-ch output		1 input: Line/microphone input and built-in microphone, 1 output: Line output and built-in speaker	Built-in microphone & built-in speaker	1-ch input and 1-ch output	
Audio Detection	Sudden sound increase and decrease	Detects unusual noises: dogs barking, babies crying, gunshots, sudden sound increase and decrease				Sudden sound increase and decrease	
License plate Recognition	-	If SD-card is applied or Smart recorder is connected					
Intelligent Analytics Functions	Motion detection	Detection of Motion, People & Vehicle, Intrusion, Line Crossing, Object Removal, Object Counting, Faces, Queue Length and/or Crowd Density Detection as well as Heat Map					
Operating Temperature	-35 °C ~ 60 °C (-31 °F ~ 140 °F)	-30 °C ~ 60 °C (-22 °F ~ 140 °F)	-35 °C ~ 60 °C (-31 °F ~ 140 °F)	-30 °C ~ 60 °C (-22 °F ~ 140 °F)	-30 °C ~ 60 °C (-22 °F ~ 140 °F)	-30 °C ~ 55 °C (-22 °F ~ 131 °F)	
Supply Voltage	12 VDC, PoE (IEEE 802.3af)		12 VDC, PoE (IEEE 802.3at)	36 V DC, 24 V AC, PoE (IEEE 802.3bt)	12 VDC, PoE (IEEE 802.3af)	12 VDC, 24 V AC, Hi-PoE (IEEE 802.3bt)	
Power Consumption	Max. 9.5 W	Max. 13 W	Max. 25 W	Max. 45 W	Max. 13.5 W	Max. 34 W	Max. 43 W

GU-TI-AP4603E	**GU-TI-AP4607E**	**GU-TI-AP4603T**	**GU-TI-AP4607T**
Smart	Smart	Smart	Smart
Thermal Sensor			
Vanadium Oxide Uncooled Focal Plane Array			
Resolution (Thermal)			
256 x 192			
NETD			
< 40 mk (@25° C, F=1.0)			
Viewing Angle (IR)			
56° x 42° (HxV)	25° x 18.7° (HxV)	56° x 42° (HxV)	25° x 18.7° (HxV)
Detector Pitch			
12 µm			
Image Sensor			
1/2.7" progressive Scan CMOS			
Video Resolution			
2592 x 1944			
Sensitivity Colour			
0.003 Lux @ F1.6 (AGC ON)			
Lens Focal Length			
3.6 mm	8 mm	3.6 mm	8 mm
Video Compression			
H.264, H.264+, H.265, H.265+ , MJPEG			
Accuracy			
± 3°C / 3%			
Measurement option			
Support 3 temperature measurement rule types (12 points, 12 regions and 12 lines)			
Intelligent Analytics Functions			
Detection of Motion, People & Vehicle, Intrusion, Line Crossing, Object Removal, Object Counting, Faces, Queue Length and/or Crowd Density Detection as well as Heat Map			
Operating Temperature			
-35 °C ~ 60 °C (-31 °F ~ 140 °F)			
Supply Voltage			
12 VDC, PoE (IEEE 802.3af)			
Power Consumption			
Max. 9.5 W		Max.11 W	

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	GU-RN-AC8104P	GU-RN-AC8108P	GU-RN-AC8116P	GU-RN-AP8216N
	Smart	**Smart**	**Smart**	**Smart**
IP Inputs	4 channels	8 channels	16 channels	16 channels
Recording Bandwidth	max. 50 Mbps	128 Mbps	112 Mbps	256Mbps
Outgoing Bandwidth	max. 64 Mbps	128 Mbps	96 Mbps	128 Mbps
Recording Resolution	8 MP, 5 MP, 3 MP, 1080p, 960p, 720p	12 MP, 8 MP, 5 MP, 3 MP, 1080p, 960p, 720p		
Video Compression	H.264, H.264+, H.265, H.265+ , MJPEG			
Recording Mode	Continuous, Event Alarm, Motion, Schedule			
Search Mode	Date, Time, Event Alarm, Motion, Search Backup			
Smart Search Function	Search for people, motorized vehicles, non-motorized vehicles, intrusion and line crossing, thumbnails, tags, faces and characteristics, attendance, visit frequency and license plates			
External Backup	USB HDD, USB Memory, Network			
HDMI Output	4K (3840 × 2160), 2K (2560 × 1440), 1920 × 1080, 1600 x 1200, 1900 x 1200, 1440 x 900, 1280 × 1024, 1280 × 720, 1024 × 768			HDMI1: 3840 x 2160 (EDID/4K),2560 x 1440, 1920 × 1080, 1440 x 900, 1280 x 1024, 1280 x 720, 1024 x 768 HDMI2: 1920 × 1080, 1440 x 900, 1280 × 1024, 1280 × 720, 1024 × 768
Harddisk bay	1 x SATA III, 1 x eSATA		2 x SATA III	2 x SATA III, 1 x eSATA
Max. Storage Capacity	Up to 10TB capacity for each HDD			
Audio Input/Output	1-ch input and 1-ch output			
Alarm Input/Output	4/1	8/1	8/1	16/1
Power over Ethernet	4 independent 10, 100 Mbps PoE Ethernet interfaces	8 independent 10, 100 Mbps PoE Ethernet interfaces	16 independent 10, 100 Mbps PoE Ethernet interfaces	—
Supply Voltage	48 VDC, Power Adapter 100 ~ 240 VAC 50, 60Hz included			12 VDC ±10%
Power Consumption	≤ 5 W without harddisk	≤ 6 W without harddisk	≤ 8 W without harddisk	≤ 18 W without harddisk

	GU-RN-AP8232N	**GU-RN-AP8864N**	**GU-RN-BT816256N**
	Smart	**Smart**	**Smart**
IP Inputs	32 channels	64 channels	256 channels
Recording Bandwidth	256 Mbps	640 Mbps	1024 Mbps
Outgoing Bandwidth	128 Mbps	640 Mbps	800 Mbps
Recording Resolution	12 MP, 8 MP, 5 MP, 3 MP, 1080p, 960p, 720p		
Video Compression	H.264, H.264+, H.265, H.265+ , MJPEG		
Recording Mode	Continuous, Event Alarm, Motion, Video Loss, Schedule		
Search Mode	Date, Time, Event Alarm, Motion, Search Backup		
Smart Search Function	Search for people, motorized vehicles, non-motorized vehicles, intrusion and line crossing, thumbnails, tags, faces and characteristics, attendance, visit frequency and license plates		
External Backup	USB HDD, USB Memory, Network		
HDMI Output	HDMI1: 3840x2160 (EDID/4K), 2560 x 1440, 1920 × 1080, 1440 x 900, 1280 x 1024, 1280 x 720, 1024 x 768 HDMI2: 1920 × 1080, 1440 x 900, 1280 × 1024, 1280 × 720, 1024 × 768	HDMI1, 2 & 3: 3840 x 2160 (EDID/4K), 2560 x 1440, 1920 × 1080, 1440 x 900, 1280 x 1024, 1280 x 720, 1024 x 768 HDMI4: 1920 × 1080, 1440 x 900, 1280 × 1024, 1280 × 720, 1024 × 768	
Harddisk bay	4 x SATA III, 1 x eSATA	8 x SATA III, 1 x eSATA	16 x SATA III, 1 x e-SATA
Max. Storage Capacity	Up to 10TB capacity for each HDD	Up to 12 TB capacity for each HDD	Up to 16 TB capacity for each HDD, hot swappable
Audio Input/Output	1-ch input and 1-ch output		
Alarm Input/Output	16/1	16/4	
Power over Ethernet	—		
Supply Voltage	12 VDC, Power Adapter 100 ~ 240 VAC 50, 60Hz included	100 ~ 240 VAC, 50Hz / 60Hz	2 x 100 ~ 240 VAC, 50Hz / 60Hz, redundant power supply
Power Consumption	≤ 12 W without harddisk	≤ 8 W without harddisk	

	GD-ML-DP2230HD	GD-ML-DP2430HD	GD-ML-DP2730HD
	Professional	**Professional**	**Professional**
LCD Panel size	54.6 cm (21, 5") Diagonal AM-TFT LED Backlight	59.9 cm (23.6") Diagonal AM-TFT LED Backlight	68.5 cm (27") Diagonal AM-TFT LED Backlight
Pixels Total	1920 (H) x 1080 (V)		
Pixel Pitch	0.248 mm (H) x 0.248 mm (V)		
Aspect Ratio	16 : 9		
Video Standard	PAL, NTSC		
Video Inputs	1x HDMI, 1x VGA, 1x USB		
Brightness	300 cd, m²		
Contrast Ratio	1000:1		
Number of Colours	16.7 million		
Viewing Angle	170° (H) ~ 160° (V)		
Response Time	5 ms		
Audio Inputs	1-ch, RCA (2.0 Vp-p, 1kΩ)		
Speakers	2 x 2 W		
Vesa Mount	75 x 75 mm	100 x 100 mm	75 x 75 mm
OSD (On Screen Display)	Yes, multi language		
Accessories included	Power Adapter and HDMI cable		
Regulation	CE, EAC, FCC, RoHS Compliant		
Power Consumption	Max. 21 W	Max. 24 W	
Supply Voltage	12 VDC, Power Adapter 100 ~ 240 VAC 50, 60Hz included		

THE SMART LINE FROM GRUNDIG SECURITY: NDAA COMPLIANT

NDAA is the abbreviation for the National Defense Authorization Act. The John S. McCain National Defense Authorization Act (NDAA) for Fiscal Year 2019 was signed into law on August 13, 2018 and effective from August 2020.

The law, specifically Section 889, prohibits federal agencies, their contractors and grant or loan recipients from procuring or using "telecommunications and video surveillance equipment or services" from specific Chinese companies as a "substantial or essential component of any system, or as critical technology as part of any system."

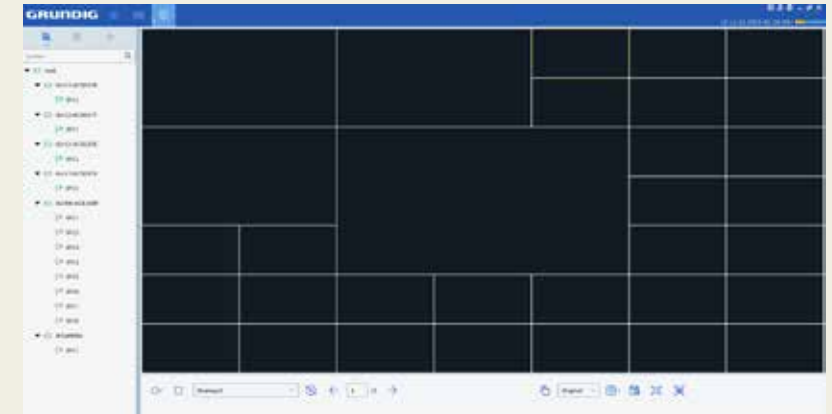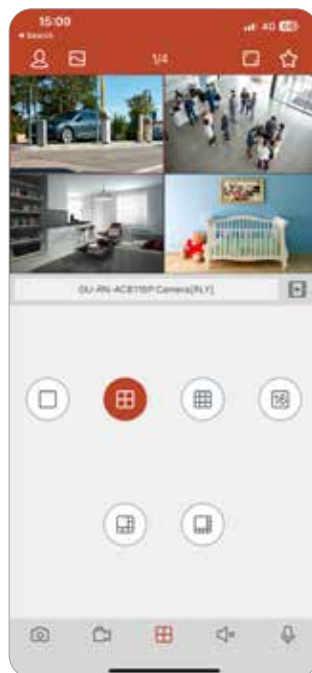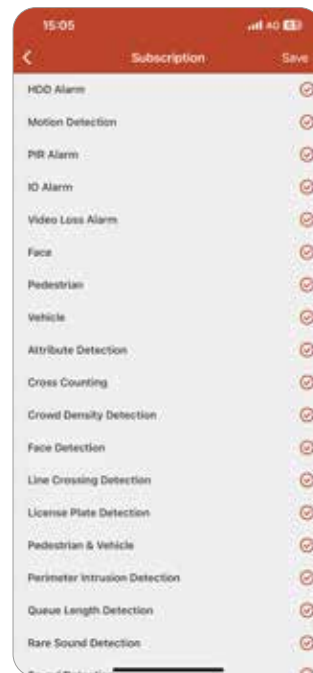The SMART product line from GRUNDIG Security complies with the requirements of this law.
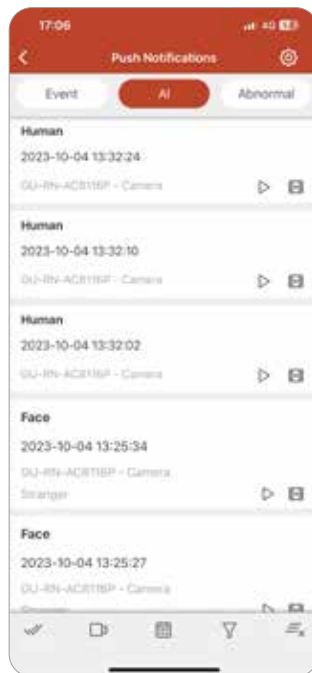
	GU-HW-ACSW04D	GU-HW-ACSW08D	GU-HW-ACSW16R
	Smart	**Smart**	**Smart**
Interfaces (Ports)	4x 10/100M PoE + 1x 10/100M	8x 10/100M PoE + 1x 100/1000M	16x 10/100M PoE + 2x 100/1000M
PoE Specification	802.3af/at (PSE)		
Switch Throughput	1 Gbps	3.6 Gbps	7.2 Gbps
ISO Standard	802.3802.3x802.3u802.3az		
PoE Budget	52 W	65 W	225 W
Max. Power Output per Port	30 W max. (Individual Port)		
Bit Rate	Uplink/Downlink Rate 100 Mbps	Uplink/Downlink Rate 1000 Mbps	
Internal Cache	1 Mbit/s	4,1 Mbit/s	2,75 Mbit/s
Packet Forwarding Rate	0.7 Mpps	2.6 Mpps	5.36 Mpps
Material	Metal		
Operating Temperature	0 °C ~ +40 °C		
Supply Voltage	48 VDC, 100~240 VAC, 50/60 Hz Power Adapter included		100~240 VAC, 50/60 Hz
Power Consumption	Max. 58 W	Max. 72 W	Max. 400 W
Dimensions (W x H x D)	110 x 82 x 30 mm (4.3 x 3.2 x 1.2 inch)	173 x 82 x 30 mm (6.8 x 3.2 x 1.2 inch)	440 x 221 x 44 mm (17.3 x 8.7 x 1.7 inch)
Weight	222 g (0,49 lb)	380 g (0,84 lb)	2900 g (6,39 lb)

CONFIGURATION AND MANAGEMENT THROUGH GU-SW-VMS

The configuration and management of the Smart-Managed PoE switches can be conveniently handled through the free software GU-SW-VMS from GRUNDIG Security. The software is also compatible with all other devices of the SMART product line from GRUNDIG Security.

- Integration of SMART line cameras and recorders
- Device management and recording
- Freely configurable views
- Comprehensive AI event search function
- Local recording of signals from all connected devices
- Live image display and playback of recorded images and video sequences
- Remote configuration of connected SMART line devices
- AI database management, e. g. face recognition
- Embedding of images, floor plans, and/or maps

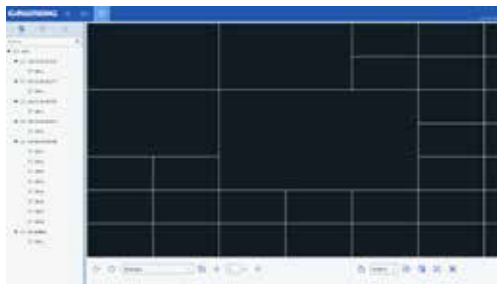# THE GSVM APP BY GRUNDIG SECURITY: INSTALLED AND CONFIGURED IN NO TIME

The GSVM app is a surveillance application for mobile phones and tablets.

The Mobile Software App has been designed to help small businesses effectively operate and manage security devices from anywhere and at anytime.

The power to view live images, play back footage, and receive notifications remotely keeps owners and operators in touch with their business, even when away.

- Real-time video preview of up to 16 channels

- Live control of PTZ Cameras

- Remote configuration of connected devices

- Display the cause of alarm triggering

- Push alarm notification

- Snapshot function

- Integration of devices via P2P cloud and IP-address

SMART PRODUCT LINE: SOFTWARE, APPS & TOOLS

GU-SW-VMS
SMART Line PC Software
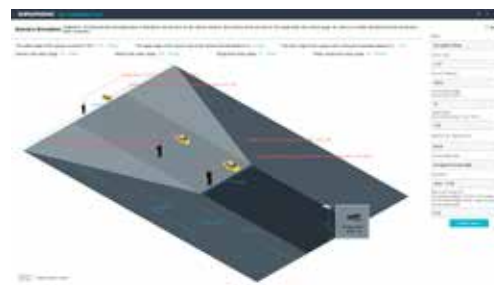
GU-SW-IP-FINDER
SMART Line Tool for device connection, configuration and management

GU-SW-PLAYER
SMART Line Video Player

GU-SW-INST-TOOL
SMART Line Tool for camera setup

DID YOU KNOW?

For real-time video preview and remote parameterization of the connected cameras and recorders, there is also a mobile GSVM app available for iOS and Android, in addition to the desktop application, naturally also available for free. For more details, see page 9.

GSVM APP IOS

GSVM APP ANDROID

STORAGE MEDIA

HARDDISKS

GD-HW-HDD-2TB
3,5" HDD 2TB – surveillance class

GD-HW-HDD-4TB
3,5" HDD 4TB – surveillance class

GD-HW-HDD-8TB
3,5" HDD 8TB – surveillance class

GD-HW-HDD-10TB
3,5" HDD 10TB – surveillance class

GD-HW-HDD-12TB
3,5" HDD 12TB – surveillance class

GD-HW-HDD-14TB
3,5" HDD 14TB – surveillance class

Other harddisk capacities upon request!

SD CARDS

GD-HW-SD-128GB
Micro SD card 128GB Western Digital Purple

GD-HW-SD-256GB
Micro SD card 256GB Western Digital Purple

GU-CI-AC5617E GU-CI-AC8616E	GU-BR-AJX01 Junction Box Pendant Mount		
	GU-BR-AJX02 Junction Box	GU-BR-AJX02B Junction Box	
GU-CI-AC5617EB	GU-BR-AJX03 Junction Box		
	GU-BR-AJX04 Junction Box		
	GU-BR-AMW04 Wall Mount Bracket	GU-BR-AMW04B Wall Mount Bracket	

GU-CI-AC5637E	GU-BR-AJX11 Junction Box
	GU-BR-AMW05 Wall Mount Bracket

GU-CI-AC5617V GU-CI-AC8616V	GU-BR-AJX09 Junction Box Pendant Mount	
	GU-BR-AJX10 Junction Box	GU-BR-AJX10B Junction Box
GU-CI-AC5617VB	GU-BR-AMF02 Flush Mount Adapter	
	GU-BR-AMW04 Wall Mount Bracket	GU-BR-AMW04B Wall Mount Bracket

GU-CI-AC5637V	GU-BR-AJX06 Junction Box	GU-BR-AJX06B Junction Box
	GU-BR-AJX07 Junct. Box Pendant Mount	GU-BR-AJX07B Junct. Box Pendant Mount
GU-CI-AC5637VB	GU-BR-AJX08 Dual Junction Box incl. PoE Switch	
	GU-BR-AMF01 Flush Mount Adapter	
	GU-BR-AMW02 Wall Mount Bracket	
	GU-BR-AMW05 Wall Mount Bracket	GU-BR-AMW05B Wall Mount Bracket
	GU-BR-ASN01 Sunshield for Fixed Dome Cameras	

GU-CI-AP4634V	GU-BR-AJX12 Junction Box	
	GU-BR-AJX14 Junction Box	
	GU-BR-AMW05 Wall Mount Bracket	

GU-CI-AC5617T GU-CI-AC8616T	GU-BR-AJX01 Junction Box Pendant Mount	
	GU-BR-AJX02 Junction Box	GU-BR-AJX02B Junction Box
GU-CI-AC5617TB	GU-BR-AJX03 Junction Box	
	GU-BR-AJX04 Junction Box	
	GU-BR-AJX05 Junction Box Hinged	

GU-CI-AC5637T	GU-BR-AJX01 Junction Box Pendant Mount
	GU-BR-AJX02 Junction Box
	GU-BR-AJX03 Junction Box
	GU-BR-AJX04 Junction Box
	GU-BR-AJX05 Junction Box Hinged
	GU-BR-AML01 Pole Mount Bracket

GU-CI-AP4634T GU-CI-AP5634T GU-CI-AP8634T GU-CI-BP8634T	GU-BR-AML01 Pole Mount Bracket
	GU-BR-AMC01 Corner Mount Bracket

GU-CI-AP12616F	GU-BR-AJX13 Junction Box for Fisheye Camera
	GU-BR-AMP02 Pendant Mount Bracket for Fisheye Camera

GU-CI-AP5647P
GU-CI-AP8744P

GD-BR-AMA01
Parapet Wall Mount

GD-BR-AMC04
Corner Mount Bracket Junction Box

GD-BR-AMP01
Pendant Mount Bracket (long)

GU-CI-AP20257Q
GU-CI-AT32637Q

GD-BR-AMP04
Pendant Mount Bracket (medium long)

GD-BR-AMP06
Pendant Mount Bracket (short)

GD-BR-AMP07
Pendant Mount Bracket extendable

GD-BR-AMS01
Swan Neck Mount

GD-BR-AMW09
Wall/Pole Mount Bracket

GD-BR-AWJ03
Wall Mount Bracket with Junction Box

GU-CI-AP8616Q

GU-BR-AJX03
Junction Box

GU-BR-AJX04
Junction Box

GU-BR-AJX08
Dual Junction Box incl. PoE Switch

GU-BR-AMW05
Wall Mount Bracket

GU-TI-AP4603E
GU-TI-AP4607E

GU-BR-AJX03
Junction Box

GU-BR-AJX08
Dual Junction Box incl. PoE Switch

GU-BR-AMW05
Wall Mount Bracket

GU-TI-AP4603T
GU-TI-AP4607T

GU-BR-AML01
Pole Mount Bracket

GU-BR-AMC01
Corner Mount Bracket

GU-BR-AJX01

GU-BR-AMP01
Pendant Mount Bracket

GU-BR-AMW01
Wall Mount Bracket

GU-BR-AJX03

GU-BR-AML01
Pole Mount Bracket

GU-BR-AJX07

GU-BR-AMP01
Pendant Mound Bracket

GU-BR-AMW01
Wall Mount Bracket

GU-BR-AJX08

GD-BR-AMW08
Wall Mount Bracket for PTZ Domes

GU-BR-AJX08A
Adapter Junction Box

GU-BR-AJX09

GU-BR-AMP01
Pendant Mount Bracket

GU-BR-AMW01
Wall Mount Bracket

GU-BR-AJX11

GU-BR-AML01
Pole Mount Bracket

GU-BR-AJX12

GU-BR-AMP01
Pendant Mount Bracket

GU-BR-AMW01
Wall Mount Bracket

GU-BR-AJX13

GU-BR-AMP01
Pendant Mound Bracket

GU-BR-AMW01
Wall Mount Bracket

GU-BR-AMW01

GU-BR-AMC01
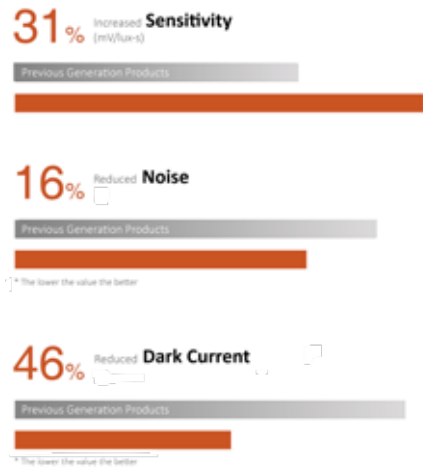Corner Mount Bracket

GU-BR-AML01
Pole Mount Bracket

GU-BR-AMW02

GU-BR-AML01
Pole Mount Bracket

SC533HAI WIDESCREEN SMART IMAGE SENSOR FOR 5 MEGAPIXEL CAMERAS

SC533HAI

SC533HAI
WIDE FORMAT
Goes beyond the scope of human
vision and broadens the horizon

With the innovative SC533HAI Widescreen Smart Image Sensor for all 5 megapixel cameras in our NDAA-compliant SMART product line, GRUNDIG Security enhances the visual experience on modern LCD displays, bridging the gap between image output and natural human vision.

Thanks to SmartClarity Technology, the SC533HAI sensor increases the number of pixels by 20% compared to many 5MP products on the market. Instead of cropping a 5MP 4:3 image down to 4 megapixels, the full resolution of the sensor is utilized to achieve a true 16:9 aspect ratio with 1620P.

This effectively reduces dark edges and distortion on both sides of the image caused by uneven scaling while achieving a true 16:9 aspect ratio with an additional 10% horizontal viewing area.

The SC533HAI sensor boasts improved sensitivity and reduced noise, even under high-temperature conditions, thanks to the unique SFCPixel® technology.

The PixGain® technology also enables excellent High Dynamic Range (HDR) performance, even under glaring sunlight.

8 MEGAPIXEL SMART LINE CAMERAS WITH P-IRIS TECHNOLOGY FOR OPTIMAL IMAGE SHARPNESS

P-Iris (short for Precision Iris) is an advanced, automatically controlled iris mechanism used in surveillance cameras and machine vision systems. It allows precise control of the lens aperture using a stepper motor, offering better image quality than traditional Auto Iris (DC-Iris) systems.

Key Features of P-Iris:

- Precise aperture adjustment via a stepper motor.
- Maintains optimal image sharpness and depth of field, even under changing lighting conditions.
- Works in coordination with the camera's software, not just for correct exposure, but to optimize image quality.
- Unlike DC-Iris (which reacts only to light changes), P-Iris can actively enhance the image.

Advantages of P-Iris:

- Minimizes blur caused by diffraction or overly wide apertures.
- Improves image quality in bright daylight, especially in HD or megapixel cameras.
- Maintains a consistent depth of field, useful for scenes with varying distances.

Feature	DC-Iris (Auto Iris)	P-Iris (Precision Iris)
Control type	Analog, voltage-controlled	Digital, stepper motor-controlled
Image sharpness	Varies with light	Consistently optimized
Depth of field	Not optimized	Optimized automatically
Image stability	Can degrade in bright light	Remains high in all light levels

P-IRIS FUNCTION OF THE CAMERA MODELS
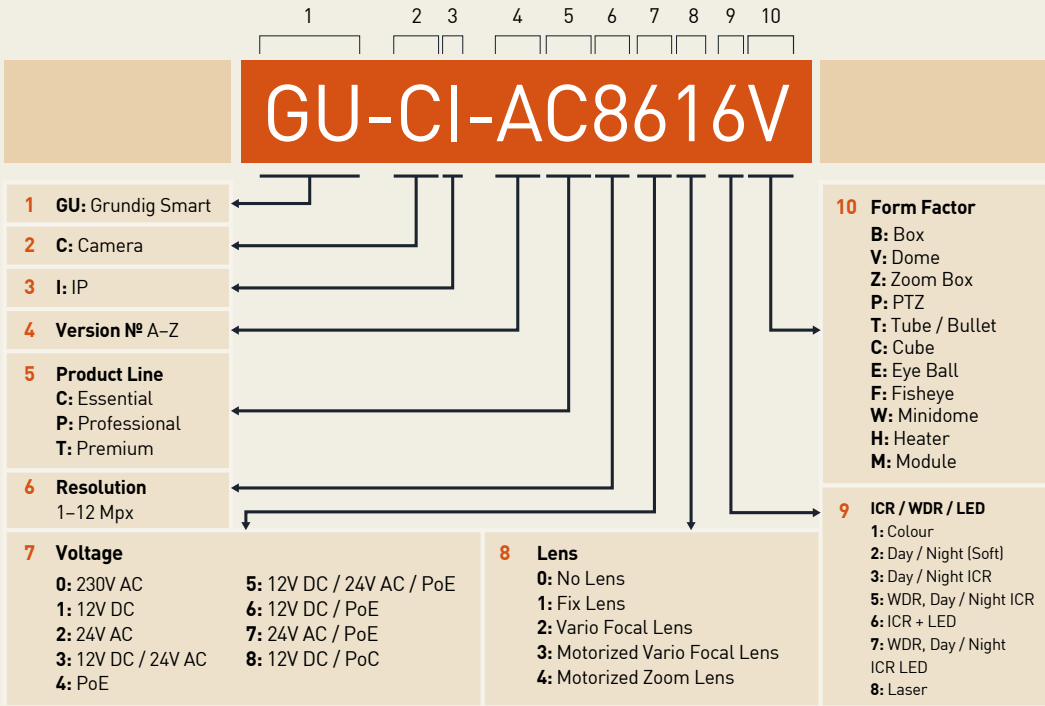

GU-CI-AP8634T *
GU-CI-BP8634T **

- 8 Megapixel

- * 2.8 ~ 12mm motorized, autofocus
  ** 8 ~ 32mm motorized, autofocus

- P-Iris

- 1/1.8" Sensor

- Ultra low light

- Sensitivity (colour): 0.0005 Lux

- Built in speaker & microphone

- IK10

- Smart Dual Light Technology with IR (up to 50m) and white light LEDs

GRUNDIG

Structure and composition of the GRUNDIG Security article numbers

```
        1       2  3    4  5  6  7  8  9  10
```

GU-CI-AC8616V

1	**GU:** Grundig Smart
2	**C:** Camera
3	**I:** IP
4	**Version № A–Z**
5	**Product Line**
	C: Essential
	P: Professional
	T: Premium
6	**Resolution**
	1–12 Mpx

7	**Voltage**	
0: 230V AC	**5:** 12V DC / 24V AC / PoE
1: 12V DC	**6:** 12V DC / PoE
2: 24V AC	**7:** 24V AC / PoE
3: 12V DC / 24V AC	**8:** 12V DC / PoC
4: PoE	

8	**Lens**
0: No Lens
1: Fix Lens
2: Vario Focal Lens
3: Motorized Vario Focal Lens
4: Motorized Zoom Lens

10	**Form Factor**
B: Box
V: Dome
Z: Zoom Box
P: PTZ
T: Tube / Bullet
C: Cube
E: Eye Ball
F: Fisheye
W: Minidome
H: Heater
M: Module

9	**ICR / WDR / LED**
1: Colour
2: Day / Night (Soft)
3: Day / Night ICR
5: WDR, Day / Night ICR
6: ICR + LED
7: WDR, Day / Night ICR LED
8: Laser

5 years Extended Guarantee

GRUNDIG Security offers a 5-year guarantee on all „SMART", „PRO" and „PREMIUM" series' cameras. Our goal: to further support our customers by making project maintenance easier and more cost-effective. The 5-year guarantee applies to all electronic components of the products mentioned above. Mechanical wear and tear on moving parts is not included. Please refer to our general terms and conditions.

OUR AMBITION: THE PURSUIT OF A MORE SUSTAINABLE FUTURE

A holistic approach to sustainability and respect for all natural resources belong to our top priorities and are therefore an essential part of our DNA. This is also reflected in our products: they work as sustainably as possible while meeting the highest standards as regard to quality and aesthetics. During production, we consider the environment as much as possible, and we are always looking for ways to incorporate the idea of sustainability into our products.

100% RECYCLABLE CARDBOARD

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. In addition, our mostly fanless devices are distinguished by their low power consumption, which reduces the cost of electricity consumption.
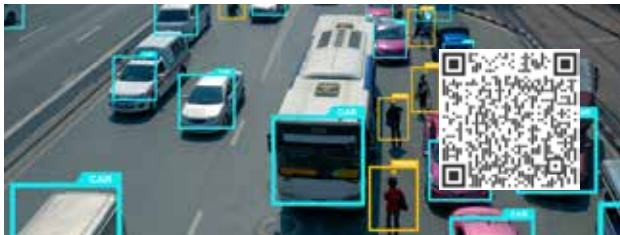
Identify licence plates

Scan the QR-code and see the AI functions of the smart product line in action!

Manage queues

Classify persons & vehicles

Detect unusual noises: Dog Barking

Analyse crowds

Identify faces

Detect unusual noises: Baby Crying

Count people/objects

Enter area

Detect unusual noises: Gunshot

Use Heat Map

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GRUNDIG