

Product Overview 2026 / 2027

Video Security

SMART Product Line

GRUNDIG



INTEGRAL[®]
Grup
Authorized Distributor

THE SMART PRODUCT LINE FROM GRUNDIG SECURITY: WHAT'S INSIDE?

Reliable hardware is just the starting point. The SMART product line adds a comprehensive range of AI-powered image analysis functions to your video security system – and the range of functionality keeps growing. Facial recognition identifies individuals, licence plate recognition (LPR) captures vehicles, and object classification reliably distinguishes between people, vehicles and other objects – significantly reducing false alarms triggered by irrelevant movement.

SMART cameras can count people and determine queue lengths at checkout points or entrances, helping you make the best possible use of your resources. They alert you when unauthorised people cross pre-defined lines or enter restricted areas, and trigger an alarm when objects are left unattended. More recent additions include fall detection for immediate response to people in distress, dynamic face masking for privacy-compliant live monitoring and playback, and multi-target type detection for more precise classification of complex scenes.

The portfolio around the SMART line has grown just as much: software, monitors, apps, network accessories, PCs and servers, plus a wide range of mounts and accessories, complete the picture and turn individual products into a fully integrated system.

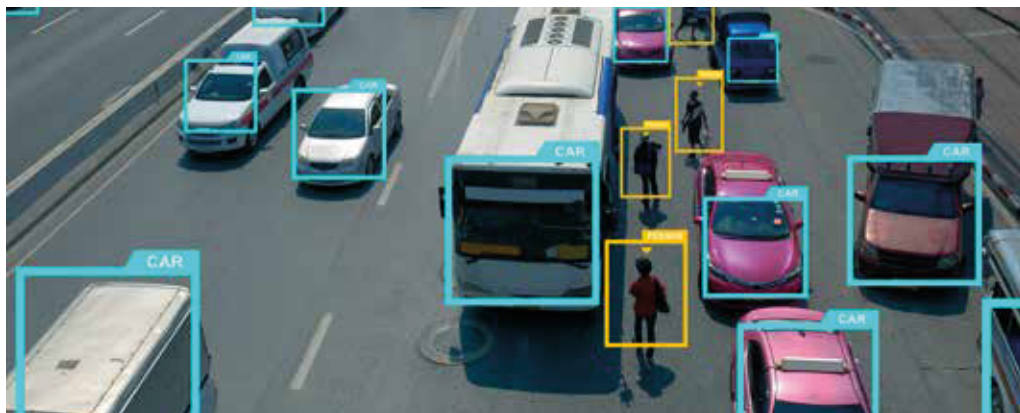
These are just a few examples from a wide range of possibilities offered by the exceptionally flexible and continuously evolving SMART line products from GRUNDIG Security.



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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 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.

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.

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.

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.

Manage queues



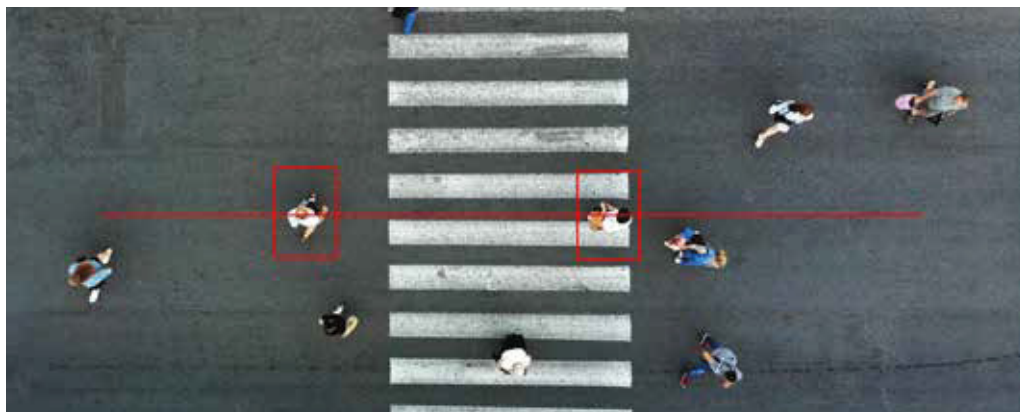
An alarm will be triggered as soon as a queue reaches a certain length. Alternatively, this function can be used to trigger an event by exceeding a certain dwell time.

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

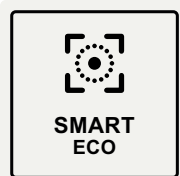


This audio analysis function detects unusual noises such as barking dogs, baby crying and gunshots, thereby triggering an alarm. The sensitivity of this function can be adjusted infinitely.

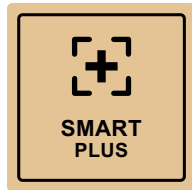
**GU-CI-AC4614E****GU-CI-AC4636E****GU-CI-AC4614T****GU-CI-AC4636T**

	SMART-ECO	SMART-ECO	SMART-ECO	SMART-ECO
Image Sensor	1/3" progressive scan CMOS	1/3" progressive scan CMOS	1/3" progressive scan CMOS	1/3" progressive scan CMOS
Video Resolution	2560 x 1440 (4 MP)	2560 x 1440 (4 MP)	2560 x 1440 (4 MP)	2560 x 1440 (4 MP)
Sensitivity Colour	0.004 Lux @ F1.6 (AGC ON)	0.006 Lux @ F1.8 (AGC ON)	0.004 Lux @ F1.6 (AGC ON)	0.006 Lux @ F1.8 (AGC ON)
Lens Focal Length	2.8 mm	2.8 ~ 12 mm motorized, autofocus	2.8 mm	2.8 ~ 12 mm motorized, autofocus
Wide Dynamic Range	Digital WDR			
Image Enhancement	BLC, 3D DNR, HLC			
Max. IR Distance	Up to 25 m	Up to 45 m	Up to 25 m	Up to 45 m
Video Compression	H.264, H.265			
SD Memory	Micro SD card slot for SD cards up to 512 GB, NAS (supports NFS, SMB/CIFS)			
Alarm Input/Output		1 input, 1 output (up to 12 VDC, 30 mA)		1 input, 1 output (up to 12 VDC, 30 mA)
Audio Input/Output	Built-in microphone	1-ch audio input and 1-ch audio output	Built-in microphone	1-ch audio input and 1-ch audio output
Audio Detection	Sudden sound increase and decrease			
Intelligent Analytics Functions	Detection of Motion, Intrusion, Line Crossing, Region Entrance/Exit	Detection of Motion, People & Vehicle, Intrusion, Line Crossing, Region Entrance/Exit	Detection of Motion, Intrusion, Line Crossing, Region Entrance/Exit	Detection of Motion, People & Vehicle, Intrusion, Line Crossing, Region Entrance/Exit
Operating Temperature	-35 °C ~ 60 °C (-31 °F ~ 140 °F)			
Supply Voltage	12 VDC, PoE (802.3af)			
Power Consumption	Max. 5.5 W	Max. 8 W	Max. 5.5 W	Max. 8 W



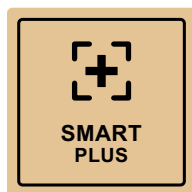
**GU-RN-AC5104N****GU-RN-AC5108N****GU-RN-AC5116N**

	SMART-ECO	SMART-ECO	SMART-ECO
IP Inputs	4 channels	8 channels	16 channels
Recording Bandwidth	max. 50 Mbps	max. 76 Mbps	112 Mbps
Outgoing Bandwidth	max. 48 Mbps	max. 32 Mbps	112 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 x 2160), 2K (2560 x 1440), 1920 x 1200, 1920 x 1080, 1600 x 1200, 1440 x 900, 1280 x 1024, 1280 x 768, 1280 x 720, 1024 x 768		
Harddisk bay	1 x SATA II		
Max. Storage Capacity	Up to 10 TB capacity for each HDD		
Audio Input/Output	1-ch RCA output		1-ch audio input and 1-ch audio output
Alarm Input/Output	-		8 inputs, 1 output
Supply Voltage	12 VDC ±10%		
Power Consumption	≤ 3.5 W without harddisks	≤ 3.5 W without harddisks	≤ 2.6 W without harddisks

**GU-CI-AC5612M****GU-CI-AC5617E****GU-CI-AC5617EB****GU-CI-AC5637E**

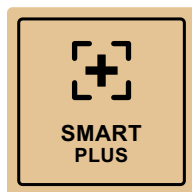
	SMART-PLUS	SMART-PLUS	SMART-PLUS	SMART-PLUS
Image Sensor	1/2.7" progressive scan CMOS	1/2.7" progressive scan CMOS	1/2.7" progressive scan CMOS	1/2.7" progressive scan CMOS
Video Resolution	2880 x 1620 (5 MP)	2880 x 1620 (5 MP)	2880 x 1620 (5 MP)	2880 x 1620 (5 MP)
Sensitivity Colour	0.004 Lux @ F1.6 (AGC ON)	0.004 Lux @ F1.6 (AGC ON)	0.004 Lux @ F1.6 (AGC ON)	0.004 Lux @ F1.6 (AGC ON)
Lens Focal Length	2 mm	2.8 mm	2.8 mm	2.8 ~ 12 mm motorized, autofocus
Wide Dynamic Range	120 dB			
Image Enhancement	BLC, 3D DNR, HLC			
Max. IR Distance	-	Up to 30 m		Up to 45 m
Video Compression	H.264, H.265, MJPEG	H.264, H.264+, H.265, H.265+ , MJPEG		
SD Memory	-	Micro SD/SDHC/SDXC card slot with ANR (up to 512 GB), NAS (Support NFS, SMB/CIFS)		
Audio Input/Output	1-ch audio input, 1-ch audio output	Built-in microphone		1-ch input and 1-ch output
Audio Detection	Detects unusual noises: dogs barking, babies crying, gunshots, sudden sound increase and decrease			
License plate Recognition	If SMART recorder is connected	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. 3.2 W	Max. 5.5 W		Max. 9.5 W



**GU-CI-AC5617V****GU-CI-AC5617VB****GU-CI-BC5617V****GU-CI-AC5617W****GU-CI-AC5637V****GU-CI-AC5637VB**

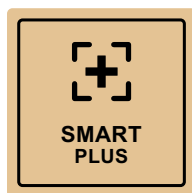
	SMART-PLUS	SMART-PLUS	SMART-PLUS	SMART-PLUS	SMART-PLUS	SMART-PLUS
Image Sensor	1/2.7" progressive scan CMOS	1/2.7" progressive scan CMOS	1/2.8" progressive scan CMOS	1/2.7" progressive scan CMOS	1/2.7" progressive scan CMOS	1/2.7" progressive scan CMOS
Video Resolution	2880 x 1620 (5 MP)	2880 x 1620 (5 MP)	2880 x 1620 (5 MP)	2880 x 1620 (5 MP)	2880 x 1620 (5 MP)	2880 x 1620 (5 MP)
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)	0.004 Lux @ F1.6 (AGC ON)
Lens Focal Length	2.8 mm	2.8 mm	2.8 mm	2.8 mm	2.8 ~ 12 mm motorized, autofocus	2.8 ~ 12 mm motorized, autofocus
Wide Dynamic Range	120 dB					
Image Enhancement	BLC, 3D DNR, HLC					
Max. IR Distance	Up to 20 m				Up to 30 m	
Video Compression	H.264, H.264+, H.265, H.265+ , MJPEG					
SD Memory	Micro SD/SDHC/SDXC card slot with ANR (up to 512 GB), NAS (Support NFS, SMB/CIFS)					
Alarm Input/Output	-	1 alarm input, 1 alarm output		-		
Audio Input/Output	Built-in microphone		1-ch input and 1-ch output	Built-in microphone	1-ch input and 1-ch output	
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. 5.5 W	Max. 4 W	Max. 7 W	



**GU-CI-AC5617T****GU-CI-AC5617TB****GU-CI-AC5637T****GU-CI-BC5637T**

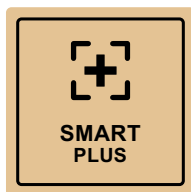
	SMART-PLUS	SMART-PLUS	SMART-PLUS	SMART-PLUS
Image Sensor	1/2.7" progressive scan CMOS	1/2.7" progressive scan CMOS	1/2.7" progressive scan CMOS	1/2.7" progressive scan CMOS
Video Resolution	2880 x 1620 (5 MP)	2880 x 1620 (5 MP)	2880 x 1620 (5 MP)	2880 × 1620 (5 MP)
Sensitivity Colour	0.004 Lux @ F1.6 (AGC ON)	0.004 Lux @ F1.6 (AGC ON)	0.004 Lux @ F1.6 (AGC ON)	0.004 Lux @ F1.6 (AGC ON)
Lens Focal Length	3.6 mm	3.6 mm	2.8 ~ 12 mm motorized, autofocus	2.8 ~ 12 mm motorized, autofocus
Wide Dynamic Range	120 dB			
Image Enhancement	BLC, 3D DNR, HLC			BLC, 3D DNR, Defog, HLC
Max. IR Distance	Up to 30 m		Up to 50 m	
Video Compression	H.264, H.264+, H.265, H.265+ , MJPEG			
SD Memory	Micro SD/SDHC/SDXC card slot with ANR (up to 512 GB), NAS (Support NFS, SMB/CIFS)			
Alarm Input/Output	-			1 input, 1 output
Audio Input/Output	Built-in microphone		1-ch input and 1-ch output	
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)			-40 °C ~ 60 °C (-40 °F ~ 140 °F)
Supply Voltage	12 VDC, PoE (802.3af)			
Power Consumption	Max. 5.5 W		Max. 9.5 W	Max. 9.5 W



**GU-CI-AP4634T****GU-CI-BP5634T****GU-CI-AP8634T****GU-CI-BP8634T**

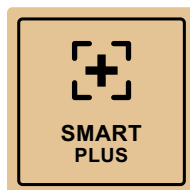
	SMART-PLUS	SMART-PLUS	SMART-PLUS	SMART-PLUS
Image Sensor	1/1.8" progressive scan CMOS	1/2.7" progressive scan CMOS	1/2.7" progressive scan CMOS	1/2.7" progressive scan CMOS
Video Resolution	2560 x 1440 (4 MP)	2880 x 1620 (5 MP)	3840 x 2160 (8 MP)	3840 x 2160 (8 MP)
Sensitivity Colour	0.0005 Lux @ F1.0 (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
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	Micro SD/SDHC/SDXC card slot with ANR (up to 512 GB), NAS (Support NFS, SMB/CIFS)			
Alarm Input/Output	1 input, 1 output		2 inputs, 2 outputs	
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		If SD-card is applied or SMART recorder is connected, up to 120 km/h	
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	



**GU-CI-AP12616F****GU-CI-AP4634V****GU-CI-AC5647P****GU-CI-AP5647P****GU-CI-AP8744P**

	SMART-PLUS	SMART-PLUS	SMART-PLUS	SMART-PLUS	SMART-PLUS
Image Sensor	1/2.3" progressive scan CMOS	1/1.8" progressive scan CMOS	1/2.7" progressive scan CMOS	1/2.7" progressive scan CMOS	1/1.8" progressive scan CMOS
Video Resolution	4000 × 3000 (12 MP)	2560 x 1440 (4 MP)	2592 x 1944 (5 MP)	2592 x 1944 (5 MP)	3840 x 2160 (8 MP)
Sensitivity Colour	0.01 Lux @ F1.6 (AGC ON)	0,001 Lux @ F1.6 (AGC ON)	0.004 Lux @ F1.6 (AGC ON)	0.003 Lux @ F1.6 (AGC ON)	0,0005 Lux @ F1.6 (AGC ON)
Lens Focal Length	1.6 mm	2,8~12 mm motorized, autofocus	5 ~ 125 mm motorized, autofocus	4.3 ~ 142 mm motorized, autofocus	5,5 ~ 202 mm motorized, autofocus
Wide Dynamic Range	Digital WDR	120 dB			
Image Enhancement	BLC, 3D DNR, HLC	BLC, 3D DNR, HLC, Defog	BLC, 3D DNR, HLC		BLC, 3D DNR, HLC, DIS
Max. IR Distance	Up to 10 m	Up to 20 m	Up to 100 m	Up to 150 m	Up to 200 m
Video Compression	H.264, H.264+, H.265, H.265+ , MJPEG				
SD Memory	Micro SD/SDHC/SDXC card slot with ANR (up to 512 GB), NAS (Support NFS, SMB/CIFS)				
Alarm Input/Output			1 alarm input, 1 alarm output		
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
Audio Detection	Sudden sound increase and decrease	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	-	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)	-30 °C ~ 60 °C (-22 °F ~ 140 °F)	-35 °C ~ 60 °C (-31 °F ~ 140 °F)	-30 °C ~ 60 °C (-22 °F ~ 140 °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)
Power Consumption	Max. 9.5 W	Max. 13 W	Max. 25 W	Max. 25 W	Max. 45 W



**GU-CI-AP8616Q****GU-CI-AP20527Q****GU-CI-AP32637Q**

	SMART-PLUS	SMART-PLUS	SMART-PLUS
Image Sensor	1/2.7" progressive scan CMOS	1/2.7" progressive scan CMOS	1/1.8" progressive scan CMOS
Video Resolution	5120 x 1440 (8 MP)	4 x 2880 x 1620 (4 x 5 MP)	4 x 3840 x 2160 (4 x 8 MP)
Sensitivity Colour	0.001 Lux @ F1.6 (AGC ON)	0.006 Lux @ F1.2 (AGC ON)	
Lens Focal Length	2 x 2.8 mm	4 x 2.8 ~ 12 mm motorized, autofocus	
Wide Dynamic Range	Digital WDR	120 dB	
Image Enhancement	BLC, 3D DNR, HLC	BLC, 3D DNR, Defog, HLC	
Max. IR Distance	Up to 30 m		
Video Compression	H.264, H.264+, H.265, H.265+, MJPEG		
SD Memory	Micro SD/SDHC/SDXC card slot with ANR (up to 512 GB), NAS (Support NFS, SMB/CIFS)		
Alarm Input/Output	-	2 alarm inputs, 2 alarm outputs	
Audio Input/Output	Built-in microphone & built-in speaker	1-ch input and 1-ch output	
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	-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, 24 V AC, Hi-PoE (IEEE 802.3bt)	
Power Consumption	Max. 13.5 W	Max. 34 W	Max. 43 W



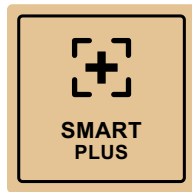
THE SMART LINE FROM GRUNDIG SECURITY: NDAA COMPLIANT

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-TI-AP4603E****GU-TI-AP4607E****GU-TI-AP4603T****GU-TI-AP4607T**

	SMART-PLUS	SMART-PLUS	SMART-PLUS	SMART-PLUS
Image Sensor	1/2.7" progressive scan CMOS	1/2.7" progressive scan CMOS	1/2.7" progressive scan CMOS	1/2.7" progressive scan CMOS
Thermal Sensor	Vanadium Oxide Uncooled Focal Plane Array			
Resolution (Thermal)	256 x 192			
Viewing Angle (IR)	56° x 42° (HxV)	25° x 18.7° (HxV)	56° x 42° (HxV)	25° x 18.7° (HxV)
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			
Measurement option	Support 3 temperature measurement rule types (12 points, 12 regions and 12 lines), accuracy: ± 3°C / 3%			
SD Memory	Micro SD/SDHC/SDXC card slot with ANR (up to 512 GB), NAS (Support NFS, SMB/CIFS)			
Alarm Input/Output	1 alarm input, 1 alarm output			
Audio Input/Output	1 Input: line in or mic in & built-in microphone, 1 Output: line out & built in speaker, mono sound			
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	



DETECTION WHERE OPTICAL CAMERAS REACH THEIR LIMITS

Thermal imaging captures temperature differences instead of visible light. That's what allows the SMART-PLUS Line thermal cameras to detect people and vehicles reliably in complete darkness, low light, or when headlights and reflections blind a standard camera.



Glare from headlights



Darkness

Low light

Dual view: thermal and optical in one camera

Both channels can be used, streamed and recorded in parallel, including picture-in-picture display of the thermal channel within the optical full image, so operators keep full situational context day and night.

-  Perimeter protection
-  Early fire detection
-  Critical infrastructure

550 °C ± 3°C

Temperature measurement ± 3°C / 3% accuracy range

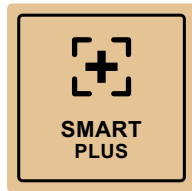
Visual and sound alarm

-  White or red/blue strobe light, adjustable frequency
-  Built-in speaker with pre-defined or custom voice messages
-  Acoustic warnings on VCA events or temperature violations

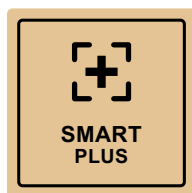
Together, these functions turn thermal detection into an active system for deterrence and intervention: not just recording, but response.

AI analytics onboard

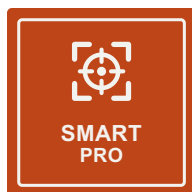
Object classification for people and vehicles, line crossing, intrusion, area monitoring, unattended baggage, heatmap, queue and crowd analysis, and face detection: almost every SMART Line AI function, excluding licence plate recognition.

**GU-RN-BC8104P****GU-RN-BC8108P****GU-RN-BC8116P****GU-RN-CP8216N**

	SMART-PLUS	SMART-PLUS	SMART-PLUS	SMART-PLUS
IP Inputs	4 channels	8 channels	16 channels	16 channels
Recording Bandwidth	max. 76 Mbps	128 Mbps	112 Mbps	320 Mbps
Outgoing Bandwidth	max. 76 Mbps	128 Mbps	112 Mbps	320 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, 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 × 1200, 1900 × 1200, 1440 × 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 II, 1 x eSATA		2 x SATA II	2 x SATA III, 1 x eSATA
Max. Storage Capacity	Up to 10 TB capacity for each HDD			Up to 12 TB 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-CP8232N****GU-RN-CP8864N****GU-RN-CT816256N**

	SMART-PLUS	SMART-PLUS	SMART-PLUS
IP Inputs	32 channels	64 channels	256 channels
Recording Bandwidth	320 Mbps	640 Mbps	1024 Mbps
Outgoing Bandwidth	320 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 12 TB capacity for each HDD	Up to 18 TB capacity for each HDD (Enterprise Class)	Up to 18 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	

**GU-CI-AT8634E****GU-CI-AT4634V****GU-CI-AT8634V****GU-CI-AT4634T****GU-CI-AT8634T**

	SMART-PRO	SMART-PRO	SMART-PRO	SMART-PRO	SMART-PRO
Image Sensor	1/1.8" progressive scan CMOS	1/1.8" progressive scan CMOS	1/1.8" progressive scan CMOS	1/1.8" progressive scan CMOS	1/1.8" progressive scan CMOS
Video Resolution	3840 x 2160 (8 MP)	2688 x 1520 (4 MP)	3840 x 2160 (8 MP)	2688 x 1520 (4 MP)	3840 x 2160 (8 MP)
Sensitivity Colour	0.001 Lux @ F1.2 (AGC ON)	0.0007 Lux @ F1.2 (AGC ON)	0,001 Lux @ F1.2 (AGC ON)	0.0007 Lux @ F1.2 (AGC ON)	0.001 Lux @ F1.2 (AGC ON)
Lens Focal Length	2.8 ~ 12 mm motorized, autofocus	2.8 ~ 12 mm motorized, autofocus	2.8 ~ 12 mm motorized, autofocus	2.8 ~ 12 mm motorized, autofocus	2.8 ~ 12 mm motorized, autofocus
Col/B&W	Auto, IR-cut filter removable (ICR)				
Wide Dynamic Range	120 dB				
Image Enhancement	BLC, 3D DNR, HLC, DIS, DEFOG				
Max. IR Distance	Up to 45 m	Up to 30 m		Up to 50 m	
Video Compression	H.264, H.264+, H.265, H.265+ , MJPEG				
SD Memory	Micro SD/SDHC/SDXC card slot with ANR (up to 512 GB), NAS (Support NFS, SMB/CIFS)				
Alarm Input/Output	1 input, 1 output				
Audio Input/Output	1 input: line in or mic in & built-in microphone, 1 output: line out & built in speaker, mono sound				
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	Motion, fall, fire, people & vehicle, intrusion, line crossing, object removal detection, object counting, face, queue length/crowd density detection, dynamic face masking, multi-target type detection, heat map				
Operating Temperature	-35 °C ~ 60 °C (-31 °F ~ 140 °F)				
Supply Voltage	12 VDC, PoE (802.3af)				
Power Consumption	Max. 8.7 W		Max. 9.5 W		Max. 11.5 W



**GU-CI-BP4634P****GU-CI-BP8634P**

	SMART-PRO	SMART-PRO
Image Sensor	1/1.8" progressive scan CMOS	1/1.8" progressive scan CMOS
Video Resolution	2688 x 1520 (4 MP)	3840 x 2160 (8 MP)
Sensitivity Colour	0.0007 Lux @ F1.2 (AGC ON)	0.001 Lux @ F1.2 (AGC ON)
Lens Focal Length	2.8 ~ 12 mm motorized, autofocus	
Col/B&W	Auto, IR-cut filter removable (ICR)	
Wide Dynamic Range	120 dB	
Image Enhancement	BLC, 3D DNR, HLC, Defog	
Max. IR Distance	Up to 35 m	
Video Compression	H.264, H.264+, H.265, H.265+ , MJPEG	
SD Memory	Micro SD/SDHC/SDXC card slot with ANR (up to 512 GB), NAS (Support NFS, SMB/CIFS)	
Alarm Input/Output	1 input, 1 output	
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	Motion, fall, fire, people & vehicle, intrusion, line crossing, object removal detection, object counting, face, queue length/crowd density detection, dynamic face masking, multi-target type detection, heat map	
Operating Temperature	-35 °C ~ 60 °C (-31 °F ~ 140 °F)	
Supply Voltage	12 VDC, PoE (802.3af)	
Power Consumption	Max. 13 W	



NEW PRO LINE AI FUNCTIONS

FALL DETECTION



MULTI-TARGET TYPE DETECTION



HUMAN ATTRIBUTES



VEHICLE ATTRIBUTES



VISUAL & SOUND ALARM



DYNAMIC FACE MASKING



IN-PICK SEARCH



**GD-ML-AP1031SD****GD-ML-DP2230HD****GD-ML-DP2430HD****GD-ML-BP3230HD****GD-ML-DP4340UHD**

	SMART	SMART	SMART	SMART	SMART
LCD Panel size	25.6 cm (10.1") Diagonal AM-TFT LED Backlight	54.6 cm (21, 5") Diagonal AM-TFT LED Backlight	59.9 cm (23.6") Diagonal AM-TFT LED Backlight	81.3 cm (32") Diagonal AM-TFT LED Backlight	109 cm (43") Diagonal AM-TFT LED Backlight
Pixels Total	1280 (H) x 800 (V)	1920 (H) x 1080 (V)			3840 (H) x 2160 (V)
Pixel Pitch	0.192 mm (H) x 0.192 mm (V)	0.248 mm (H) x 0.248 mm (V)		0.36375 mm (H) x 0.36375 mm (V)	0.2451 mm (H) x 0.2451 mm (V)
Aspect Ratio	16 : 9				
Video Standard	PAL, NTSC				
Video Inputs	1 x Composite, BNC looped, 1 x VGA, 1 x HDMI	1x HDMI, 1x VGA, 1x USB		1 x Composite, BNC looped, 1x HDMI, 1x VGA	3 x HDMI, 1 x Display Port
Brightness	350 cd/m²	300 cd/m²			350 cd/m²
Contrast Ratio	800:1	1000:1			
Number of Colours	262K	16.7 million			1073 G
Viewing Angle	160° (H) ~ 160° (V)	170° (H) ~ 160° (V)		178° (H) ~ 178° (V)	
Response Time	12 ms	5 ms			
Audio Inputs	1 x 3.5 mm jack (line), 1 x HDMI	1-ch, RCA (2.0 Vp-p, 1kΩ)			1-ch, RCA
Speakers	yes	2 x 2 W		2 x 2.5 W	
Vesa Mount	75 x 75 mm		100 x 100 mm		400 x 400 mm
OSD (On Screen Display)	Yes, multi language				
Accessories included	Stand, power adapter, HDMI cable and remote control	Power adapter and HDMI cable		Stand, power cable, HDMI cable and remote control	
Regulation	CE, EAC, FCC, RoHS Compliant				
Power Consumption	Max. 12 W	Max. 21 W	Max. 24 W	Max. 60 W	≤ 75 W
Supply Voltage	12 VDC, Power Adapter 100 ~ 240 VAC 50, 60Hz included			100 ~ 240 VAC, 50/60 Hz	



GD-HW-BPSV05T

	SMART
CPU	Intel® CPU
Operating System	Microsoft® Windows 11 Pro 64-bit
Graphic Card	Latest generation with 4 monitor outputs
Memory	16 GB RAM
Network Interface	1 x RJ45 Gbit LAN
Interfaces	2 x USB 3.1, 2 x USB 2.0
Operating Temperature	+5 °C ~ +40 °C (+41 °F ~ + 104 °F)
Supply Voltage	100~240 VAC, 50/60 Hz
Accessories	Mouse & Keyboard (included)
Dimensions (W x H x D)	490 x 198 x 425 mm



GU-KB-AP4450M

	SMART
LCD Panel Size	6.5 cm (2.6") Diagonal AM-TFT LED Backlight
NVR Control	Playback, Stop, Pause, FF, RW, Rec, Search, Backup, menu, Image Panel Management, Navigation between views, cameras and presets
PTZ Control	4-axis joystick, PTZ, focus & iris control, setting and calling presets, patterns & patrols, auto-scan, auto-pan, wiper, AUX
Accessories Included	Power Adapter
Network Interface	1 x 10, 100 Base T, TX PoE (RJ-45)
Operating Temperature	0 °C ~ 55 °C (32 °F ~ 131 °F)
Supply Voltage/Consumption	12 V DC, PoE (IEEE 802.3af), max. 4.5 W
Dimensions (W x H x D)	321 x 109 x 179 mm (12.7 x 4.3 x 7.1 inch)



GU-SI-AC0030H

	SMART
Max. Sound Pressure Level	129 dB
Rated Power	DC: 8 Ω 30 W or PoE: af-8 Ω 20 W
Audio Amplifier	Class D Amplifier
Frequency Range (Audio)	380 Hz ~ 10 KHz
Coverage Pattern	78°H 78°V (1 kHz, -6 dB), effective distance 200 m
Protection Rating	IP66 (IEC 60529-2013)
Operating Temperature	-30 °C ~ +70 °C (-22 °F ~ 158 °F)
Supply Voltage	24 VDC, PoE 802.3 af/at
Power Consumption	Max. 35 W
Dimensions (W x H x D)	∅ 246 x 292 mm (7.69" x 11.5")



GU-HW-ACSW04D

	SMART
Interfaces (Ports)	4x 10/100M PoE + 1x 10/100M
PoE Specification	802.3af/at (PSE)
Switch Throughput	1 Gbps
PoE Budget	52 W
Max. Power Output per Port	30 W max. (Individual Port)
Bit Rate	Uplink/Downlink Rate 100 Mbps
Supply Voltage	48 VDC, 100~240 VAC, 50/60 Hz Power Adapter included
Power Consumption	Max. 58 W
Dimensions (W x H x D)	110 x 82 x 30 mm (4.3 x 3.2 x 1.2 inch)



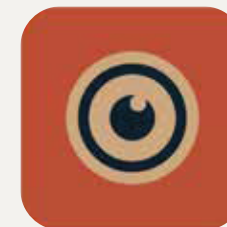
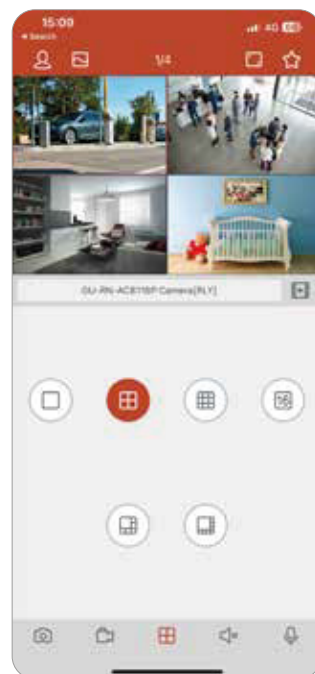
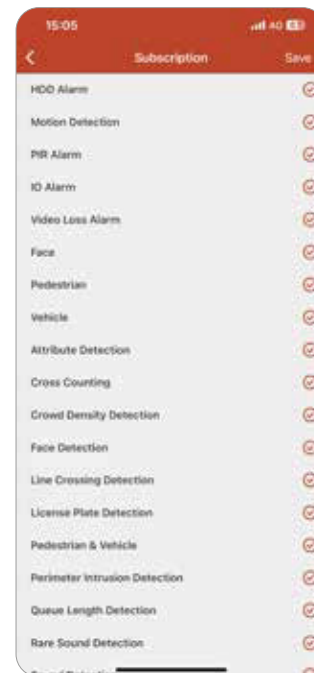
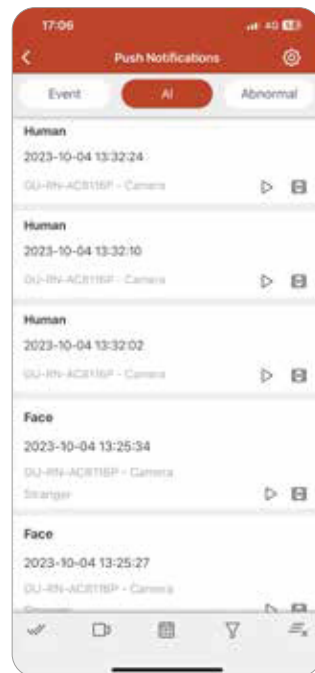
GU-HW-ACSW08D

	SMART
Interfaces (Ports)	8x 10/100M PoE + 1x 100/1000M
PoE Specification	802.3af/at (PSE)
Switch Throughput	3.6 Gbps
PoE Budget	65 W
Max. Power Output per Port	30 W max. (Individual Port)
Bit Rate	Uplink/Downlink Rate 1000 Mbps
Supply Voltage	48 VDC, 100~240 VAC, 50/60 Hz Power Adapter included
Power Consumption	Max. 72 W
Dimensions (W x H x D)	173 x 82 x 30 mm (6.8 x 3.2 x 1.2 inch)



GU-HW-ACSW16R

	SMART
Interfaces (Ports)	16x 10/100M PoE + 2x 100/1000M
PoE Specification	802.3af/at (PSE)
Switch Throughput	7.2 Gbps
PoE Budget	225 W
Max. Power Output per Port	30 W max. (Individual Port)
Bit Rate	Uplink/Downlink Rate 1000 Mbps
Supply Voltage	100~240 VAC, 50/60 Hz
Power Consumption	Max. 400 W
Dimensions (W x H x D)	440 x 221 x 44 mm (17.3 x 8.7 x 1.7 inch)



THE SMART LINE GSVM APP: INSTALLED AND CONFIGURED IN NO TIME

The SMART Line 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 any time.

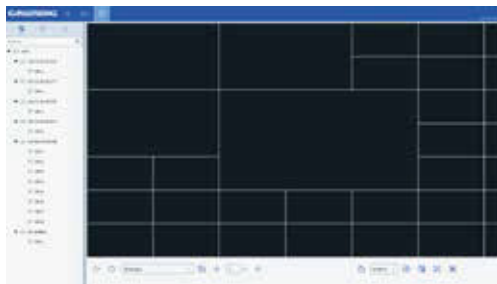
The power to view live images, play back footage, and receive notifications remotely keeps owners and operators in touch with their business, even when away.

- 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



The SMART Line GSVM App is available for iOS and Android.

SMART PRODUCT LINE: SOFTWARE, APPS & TOOLS



GU-SW-VMS

SMART Line PC Software



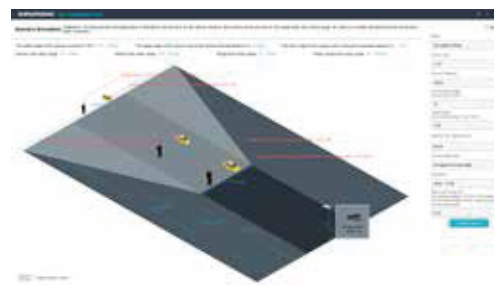
GU-SW-IP-FINDER

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-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

Surveillance class Micro SD card 128GB

GD-HW-SD-256GB

Surveillance class Micro SD card 256GB



CUSTOM SERVER SOLUTIONS FOR DEMANDING VIDEO SECURITY PROJECTS

Not every video security installation fits a standard specification. For large scale or highly complex projects, GRUNDIG Security offers custom-built multi-channel servers, individually configured to match the exact requirements of each installation rather than drawn from a fixed catalogue range.

These servers are built around high-performance, enterprise-grade hardware and run the GRUNDIG Video Management System powered by C-WERK®. Configuration options include storage capacity, RAID levels, redundant power supplies, hot-swap capability and GPU support for AI-based video analytics, allowing the system to be scaled precisely to the number of channels, retention period and performance needs of the project – from mid-sized installations to large, multi-site deployments.

Typical applications range from large-scale public safety and smart/safe city projects to airports, transport hubs, logistics centres and multi-site retail or industrial environments – wherever high channel counts, long-term storage and integration with third-party systems play a central role. In these scenarios, a tailored server platform ensures the recording infrastructure keeps pace with the scale and complexity of the overall security concept.

C-WERK®

The GRUNDIG Security Video Management System powered by C-WERK® is the advanced solution for video security systems in virtually all areas of application. C-WERK® sets new standards, especially with its simple and user-friendly operation. Regardless of the requirements, C-WERK® can cope effectively with almost any challenge: with logical, systematic, and especially user-friendly implementation. The C-WERK® platform is completely scalable and modular, and it features open system architecture. The simple license model enables individual solutions: you'll only pay for what you need.

The GRUNDIG VMS powered by C-WERK® is based on an end-to-end concept with a unified software solution throughout: ranging from IP camera / recorder freeware to a video management solution for extensive, complex video facilities.

Scan the QR codes to start videos.

For more information please check <https://grundig-security.com/technology/c-werk/>



TIME LAPSE

Time Lapse is a tool that allows the user to display all moving actions of a predetermined period in a single video. This significantly reduces the effort of finding a particular scene.



BEHAVIOUR ANALYTICS

The intelligent Behaviour Analytics of C-WERK® recognizes potentially dangerous situations by detecting specific human postures. The software identifies the positions of the body parts to detect the pose. This will improve the security for example schools, airports, banks, commercial spaces, or office buildings.

SOME IMPORTANT FEATURES OF C-WERK® VIDEO MANAGEMENT SOLUTIONS

Forensic Search is an impressive tool that searches for certain scenes or objects about self-determined properties such as object size, color, speed and direction. It is also possible to search specifically for people or vehicles.



SIMILARITY SEARCH

The analysis function extracts human attributes such as colour and type of clothing, shoes and headwear, and stores them in a database. Search results display people with similar attributes (e.g. red shirt) from the video footage of several cameras and from archived material.



FACE SEARCH



Face Search allows recognizing and identifying faces. In addition, it is possible to compare the recognized face with an already existing photo to carry out further automated actions.

LPR SEARCH



License Plate Recognition allows system operators to identify, track and analyse vehicles at entry and exit points. Automatically capture license plates in both, stop & go and moving traffic to review later or automatically open barriers or denies access removing the need of a dedicated LPR operator.

C-WERK® Licenses

ITEM CODE	DESCRIPTION
Camera License	
GD-CW-AP-CAM	C-WERK® Pro Single-Channel Camera License
GD-CW-AT-CAM	C-WERK® Premium Single-Channel Camera License
Extension License	
GD-CW-AP-MQS-ADD	C-WERK® Pro Forensic Search License
Additional modules	
GD-CW-AP-HBA-ADD	C-WERK® Pro License Human Behaviour Analytics
GD-CW-AP-LPRIV-AD	C-WERK® Pro License Realtime License Plate Recognition
GD-CW-AP-PPE-ADD	C-WERK® Personal Protective Equipment Recognition
GD-CW-AT-HBA-ADD	C-WERK® Premium License Human Behaviour Analytics
GD-CW-AT-LPRIV-AD	C-WERK® Premium License Realtime License Plate Recognition
GD-CW-AT-PPE-ADD	C-WERK® Premium License Personal Protective Equipment Recognition
GD-CW-AT-SS-ADD	C-WERK® Premium License Similarity Search

C-WERK®: POWERFUL. FLEXIBLE. EASY TO USE.

C-WERK® is a next-generation Video Management Software built on open standards for maximum flexibility. It scales to fit any project: unlimited video servers, cameras, workstations and mobile clients, with support for over 10,000 IP devices.

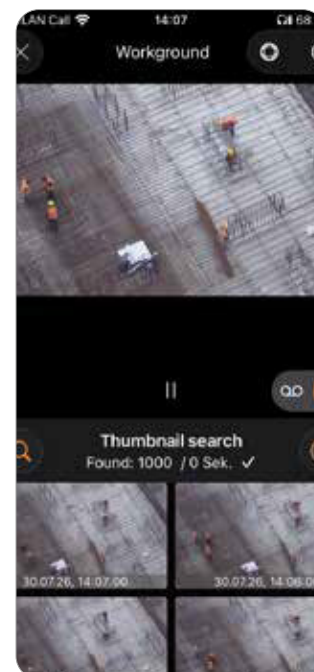
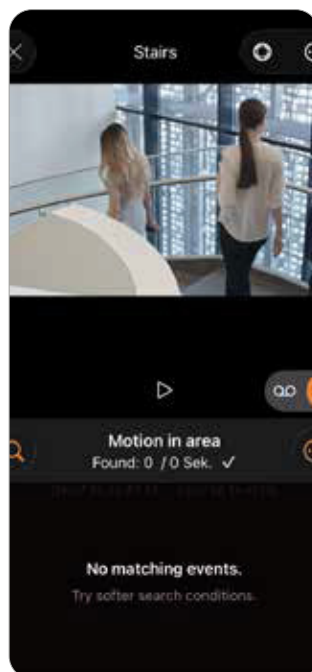
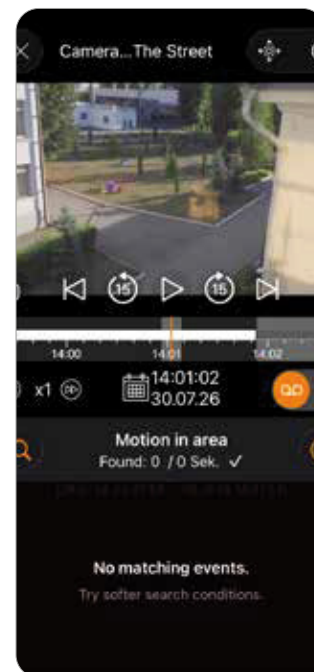
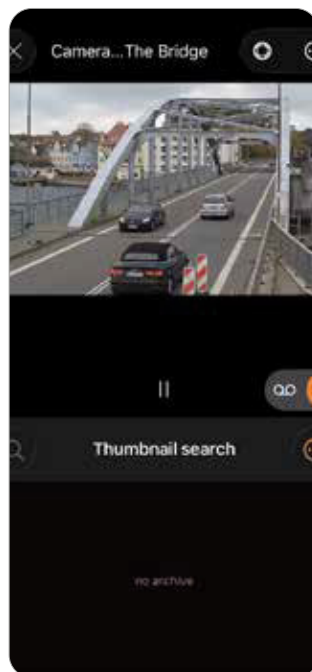
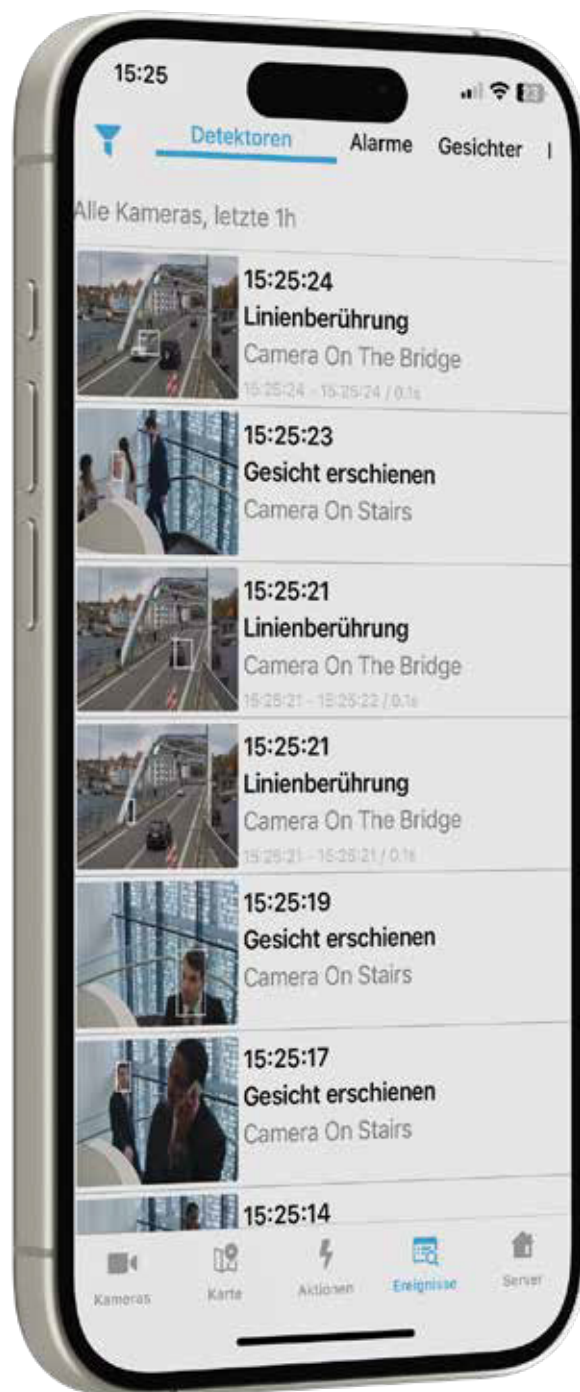
Thanks to its open API, third-party hardware integrates seamlessly, extending your system exactly where you need it. And with its intuitive interface and transparent, fair pricing, you get full functionality at every system size.

C-WERK® HIGHLIGHTS

- Unlimited number of cameras, up to 30 servers
- Support for more than 10.000 IP devices
- Advanced video analytics with AI detection
- Unique tools for fast video footage retrieval
- Flat pricing: easy to budget and save
- Zero maintenance fees
- Similarity search function
- Free viewer software with C-WERK® VIEWER

C·WERK®





C-WERK® MOBILE APP

The client app allows connecting to C-WERK® servers from mobile devices. The app supports receiving live video & audio from cameras, playback of recorded videos, controlling PTZ cameras, receiving push notifications about events in the system and many more functions.



The C-WERK® App is available for iOS and Android.

GU-CI-AC5617E
GU-CI-AC8616E
GU-CI-AC4614EGU-BR-AJX01
Junction Box Pendant MountGU-BR-AJX02
Junction BoxGU-BR-AJX02B
Junction Box

GU-CI-AC5617EB

GU-BR-AJX03
Junction BoxGU-BR-AJX04
Junction BoxGU-BR-AMW04
Wall Mount BracketGU-BR-AMW04B
Wall Mount BracketGU-CI-AC5637E
GU-CI-AC4636EGU-BR-AJX11
Junction BoxGU-BR-AMW05
Wall Mount BracketGU-CI-AC5617V
GU-CI-AC8616V
GU-CI-BC5617VGU-BR-AJX09
Junction Box Pendant MountGU-BR-AJX10
Junction BoxGU-BR-AJX10B
Junction Box

GU-CI-AC5617VB

GU-BR-AMF02
Flush Mount AdapterGU-BR-AMW04
Wall Mount BracketGU-BR-AMW04B
Wall Mount BracketGU-CI-AC5637V
GU-CI-AT4634V
GU-CI-AT8634VGU-BR-AJX06
Junction BoxGU-BR-AJX06B
Junction BoxGU-BR-AJX07
Junct. Box Pendant MountGU-BR-AJX07B
Junct. Box Pendant Mount

GU-CI-AC5637VB

GU-BR-AJX08
Dual Junction Box incl. PoE SwitchGU-BR-AMF01
Flush Mount AdapterGU-BR-AMW02
Wall Mount BracketGU-BR-AMW05
Wall Mount BracketGU-BR-AMW05B
Wall Mount BracketGU-BR-ASN01
Sunshield for Fixed Dome CamerasGU-CI-AP4634V
GU-CI-BP4634P
GU-CI-BP8634PGU-BR-AJX12
Junction BoxGU-BR-AJX14
Junction BoxGU-BR-AMW05
Wall Mount BracketGU-CI-AC5617T
GU-CI-AC8616T
GU-CI-AC4614TGU-BR-AJX01
Junction Box Pendant MountGU-BR-AJX02
Junction BoxGU-BR-AJX02B
Junction Box

GU-CI-AC5617TB

GU-BR-AJX03
Junction BoxGU-BR-AJX04
Junction BoxGU-BR-AJX05
Junction Box HingedGU-CI-AC5637T
GU-CI-AC4636T
GU-CI-BC5637TGU-BR-AJX01 - Junction
Box Pendant MountGU-BR-AJX04
Junction BoxGU-BR-AJX02
Junction BoxGU-BR-AJX05
Junction Box HingedGU-BR-AJX03
Junction BoxGU-BR-AML01
Pole Mount BracketGU-CI-BP5634T
GU-CI-AT4634T
GU-CI-AT8634T
GU-CI-AT4634TGU-BR-AML02
Pole Mount BracketGUBR-AMC02
Corner Mount BracketGU-CI-AP4634T
GU-CI-AP8634T
GU-CI-BP8634TGU-BR-AML01
Pole Mount BracketGU-BR-AMC01
Corner Mount Bracket

GU-CI-AP12616F

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



GU-CI-AC5647P
GU-CI-AP5647P
GU-CI-AP8744P



GU-CI-AP20257Q
GU-CI-AT32637Q



GD-BR-AMA01
Parapet Wall Mount



GD-BR-AMC04
Corner Mount Bracket Junction Box



GD-BR-AMP01
Pendant Mount Bracket (long)



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-CI-AT8634E



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 Mount 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 Mount 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

WIDE FORMAT

Cost-benefit-evolution of sensor
wide-screen backside illumination



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.



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.



3 years Extended Guarantee

GRUNDIG Security offers a 3-year guarantee on all SMART-PLUS and PRO series' cameras. Our goal: to further support our customers by making project maintenance easier and more cost-effective. The 3-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 ideas of sustainability into our products.

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

