

4 Channel Video Recorder

GU-RN-AC5104N

GRUNDIG



Type: Standalone NVR - IP - Recorder

Item Code: GU-RN-AC5104N

EAN CODE: 4260573065240

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+



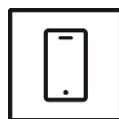
H.265pro+ utilizes the standard H.265/High Efficiency Video Coding (HEVC) format, but boasts advanced technologies that enable it to substantially reduce the necessary transmission bandwidth and storage capacity for maximum efficiency.

Object Classification



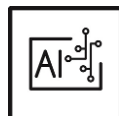
This technology employs a highly advanced deep learning algorithm that can discern whether the alarm was triggered by a human, a vehicle or some other object.

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.

Deep Learning



Deep Learning is inspired by the complex structure of the human brain. This innovative method allows processing of information and performing corresponding actions based on analysis.

Smart Eco Line

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

- Silent operation without any fans and low power consumption
- Controlled locally by USB mouse or remotely through Ethernet connection with CMS, Web page and mobile Apps, IVA support (intelligent virtual assistant) Amazon Alexa and Google Assistant

NDAA 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-RN-AC5104N

Video

IP Inputs: 4 channels

Recording / Playback

Recording Bandwidth: max. 50 Mbps

Outgoing Bandwidth: max. 48 Mbps

Recording Resolution: 8 MP, 5 MP, 3 MP, 1080p, 960p, 720p

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

Playback: Synchronised playback of max. 4 cameras

Frame Rate(R): 4K: 30 fps, 4MP: 60fps, 2MP: 120 fps

Audio

Audio Compression: G.711

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

General

External Backup: USB HDD, USB Memory, Network

Max. Storage Capacity: Up to 10 TB capacity for each HDD

Languages: Chinese, Czech, Dutch, English, Finnish, French, German, Italian, Portuguese, Spanish, Russian, Turkish, Polish

PTZ Control: Pan, Tilt, Zoom, Preset set and call

Basic Internal Storage: No

Accessories included: Mouse & external power supply

Network

Video Compression: H.264, H.264+, H.265, H.265+ , MJPEG

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.

Remote Connections: 96

Streaming Method: Unicast, Multicast

I/O Interface

HDMI Output: 4K (3840 × 2160), 2K (2560 × 1440), 1920 × 1200, 1600 × 1200, 1920 × 1080, 1280 × 720, 1440 × 900, 1280 × 1024, 1024 × 768

VGA Output: 1920 × 1080, 1440 × 900, 1280 × 1024, 1280 × 720, 1024 × 768

I/O Interface

Audio Outputs:	1-ch, RCA
Harddisk bay:	1 x SATA III
Network Interface:	1x 10, 100 Base T (Ethernet), TX (RJ-45)
Serial Interface(s):	Front panel: 1 × USB 2.0 Rear panel: 1 × USB 2.0

Intelligent Functions

Motion Detection:	Adjustable whether people, motorized or non-motorized vehicles or only movements should be detected. The detection area and sensitivity can also be adjusted.
People & Vehicle Detection:	Adjustable whether people, motorized or non-motorized vehicles should be detected.
Intrusion Detection:	People, motorized vehicles or non-motorized vehicles, enter, exit or drive over a predefined virtual area, up to 4 rules are supported
Line Crossing:	People, motorized vehicles or non-motorized vehicles cross a pre-defined virtual line, up to 4 rules are supported
Object Removal:	Detects objects left over or lost in the pre-defined region such. In this case an alarm notification or signal will be sent automatically and in real time.
Object Counting:	People, motorized vehicles, non-motorized vehicles or other movements are counted when crossing a virtual line and the result is displayed on the screen in real time
Face Detection:	Human face appears in the image can be detected and trigger event action
Face Recognition:	Detects and recognizes faces by comparing them to stored portrait images. Actions can be triggered via the allowed, blocked and other list
License Plate Recognition:	Detects and recognizes car number plates. Data- import- export function, actions can be triggered via the allowed, blocked and other list
Heat Map:	Visualizes the number of people in the surveillance area over a period of time with a simple and user-friendly color scheme
Queue Length Detection:	Counts people in a predefined area and measures service time. The area, the maximum number of people in it and the maximum service time can be set
Crowd Density Detection:	Counts people in a predefined area. The area, the maximum number of people in it can be set
Tamper Protection:	Detection of scene change, defocus, sudden audio increase/decrease or audio loss.
Limits of intelligent functions:	Some functions are only available if supported by the connected camera. Some features are limited by the number of supported channels.
Event Source:	Motion, AI Functions, Video Loss, Network Interruption, Video Tampering, HDD Full, HDD Error, Audio Detection and Alarm Inputs
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

Regulation:	CE, EAC, FCC, RoHS Compliant
Standard:	ONVIF (Profile S), SDK/API

Environmental

Operating Temperature:	-10 °C ~ +50 °C (+14°F ~ + 122°F)
Humidity:	Less than 90%, non condensing

Electrical

Supply Voltage:	12 VDC ±10%
Power Consumption:	≤ 3.5W without hard disks

Mechanical

Dimensions:	300 x 227 x 53 mm (11.81 x 8.93 x 2.08 Inch)
Weight:	900 g (1.98 lb)

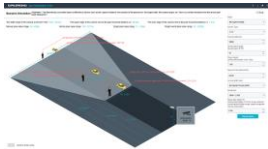
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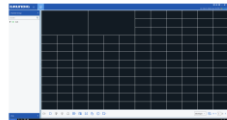
Packaging

Package Dimensions:	425 x 100 x 270 mm (16.7 x 3.9 x 10.6 inch)
Package Weight:	1500 g (3.3 lbs)
Packaging Unit:	5
Bulk Package Dimensions:	515 x 440 x 290 mm (20.3 x 17.3 x 11.4 inch)
Bulk Package Weight:	8700 g (19.2 lbs)

Accessories



GU-SW-INST-TOOL



GU-SW-VMS



GU-SW-IP-FINDER



GU-SW-PLAYER



GD-HW-HDD-10TB

Dimensions



Smart Eco Line Guarantee

All cameras in the SMART Eco Line 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.