

32 Channel Video Recorder

GU-RN-CP8232N

GRUNDIG



Type: Standalone NVR - IP - Recorder
Item Code: GU-RN-CP8232N
EAN CODE: 4260573066995

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+



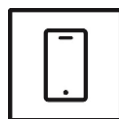
H.265pro+ utilizes the standard H.265/High Efficiency Video Coding (HEVC) format, but boasts advanced technologies that enable it to substantially reduce the necessary transmission bandwidth and storage capacity for maximum efficiency.

Object Classification



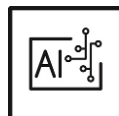
This technology employs a highly advanced deep learning algorithm that can discern whether the alarm was triggered by a human, a vehicle or some other object.

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.

Features

- Many intelligent functions: deep learning distinguishing between human and vehicles, detection of line crossing, intrusion, queue length, crowd density, lost objects and display of heat map. Recognition of car license plates and faces including allowed and blocked lists. Counting of different Objects.
- Video recording with NAS System and Local HDD
- Controlled locally by USB mouse or remotely through Ethernet connection with CMS, Web page and mobile Apps
- Recorded files backup via USB device
- NDAA compliant

Specifications GU-RN-CP8232N

Video

IP Inputs: 32 channels

Recording / Playback

Recording Bandwidth: 320 Mbit/s

Outgoing Bandwidth: 320 Mpbs

Recording Resolution: 12 MP, 8 MP, 5 MP, 3 MP, 1080P, 960P, 720P

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

Playback: Synchronised playback of max. 16 cameras

Frame Rate(R): 4K: 120fps, 4MP: 240fps, 2MP: 480fps

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 12 TB capacity for each HDD

Languages: English, German, French, Spanish, Portuguese, Italian, Russian, Turkish

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

Basic Internal Storage: No

Accessories included: Mouse, external power supply, sata cable, 19 inch rack mount kit

Network

Number of Clients: Up to 20 simultaneously

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

Streaming Method: Unicast, Multicast

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: 32

I/O Interface

HDMI Output: HDMI1: 3840 x 2160 (30Hz, 4K), 2560x1440 (60Hz, 2K) 1920 x 1080, 1600x1200, 1280 x 1024, 1280 x 720, 1024 x 768 (60Hz)

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

Audio Input/Output: 1-ch audio input and 1-ch audio output

Alarm Input/Output: 16/1

Harddisk bay: 4 x SATA III, 1 x eSATA

Network Interface: 2x RJ45 Gbit LAN

Serial Interface(s): Front panel: 1 x USB 2.0, Rear panel: 1 x USB 3.0 + 1 x USB 2.0 + 1 x RS485

Intelligent Functions

Crowd Density Detection: Counts people in a predefined area. The area, the maximum number of people in it can be set

Intelligent Functions

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
Heat Map:	Visualizes the number of people in the surveillance area over a period of time with a simple and user-friendly color scheme
Intrusion Detection:	People, motorized vehicles or non-motorized vehicles, enter, exit or drive over a predefined virtual area, up to 4 rules are supported
License Plate Recognition:	Detects and recognizes car number plates. Data- import- export function, actions can be triggered via the allowed, blocked and other list
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
Line Crossing:	People, motorized vehicles or non-motorized vehicles cross a pre-defined virtual line, up to 4 rules are supported
Object Removal:	Detects within a predefined, adjustable area objects that were originally placed in a specific location and have been removed, as well as objects that have been left behind there
People & Vehicle Detection:	Adjustable whether people, motorized or non-motorized vehicles should be detected.
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
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.
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, Profile G, Profile T), SDK/API

Environmental

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

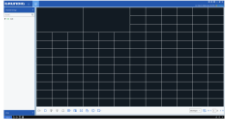
Electrical

Supply Voltage:	12 VDC, Power Adapter 100 ~ 240 VAC 50, 60Hz included
Power Consumption:	≤ 12 W without harddisk

Mechanical

Dimensions:	378 × 326 × 66 mm (14.9 × 12.8 × 2.6 inch)
Weight:	2280 g (5.03 lb)

Accessories



GU-SW-VMS



GU-SW-IP-FINDER



GU-SW-PLAYER



GD-HW-HDD-2TB



GD-HW-HDD-4TB



GD-HW-HDD-8TB



GD-HW-HDD-10TB



GD-HW-HDD-12TB



GU-KB-AP4450M

Dimensions
