



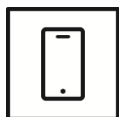
Type: Standalone HDVR - HD-Analogue - Recorder
Item Code: GD-RT-BC3016N
EAN CODE: 4260573062959

ESSENTIAL

Our ESSENTIAL product line is designed to deliver high-quality performance, with basic features and impressive functions, making it perfect for smaller applications.

Highlights

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.

Objekt 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.

Essential Line

Many small to medium-sized systems are capable of operating without any specific requirements. Simply storing video sequences is often sufficient in the event of an incident, allowing for the course of events to be determined through recorded footage. GRUNDIG Security provides a comprehensive range of standard applications to meet these needs, including cameras that capture high-resolution images regardless of lighting conditions and recorders capable of storing video sequences for weeks or months, although privacy concerns may prevent this practice. The "Essential" product line offers high image quality, making it ideal for meeting basic requirements.

Features

- Many intelligent functions: deep learning distinguishing between human and vehicles, face detection and capture, line crossing and intrusion alarm
- 24 recording tracks: Up to 8 IP channels can be used in addition to the analog channels. In the IP Enhance mode, up to 24 IP channels can be used as the analog channels are no longer available.
- Multiplex (Live/Playback, Recording, Backup, Networking)
- H.265, H.264/H.264+ and new H265pro/H265pro+ Compression mode
- Auto detects HD-TVI, CVI, AHD or analog cameras
- Various recording features (schedule, motion, alarm)

Specifications GD-RT-BC3016N

Video

Video Inputs:	16-ch, BNC interface (1.0 Vp-p, 75 Ω) , supporting coaxitron connection
IP Inputs:	18 (24 IP enhance mode)
HD-TVI Input:	3 MP, 1080p30, 1080p25, 720p60, 720p50, 720p30, 720p25 Note: The 3 MP signal input is only available for channel 1 of GD-RT-AC3004N, of channel 1/2 of GD-RT-AC3008N and for channel 1/2/3/4 of GD-RT-AC3016N
AHD Input:	4 MP, 1080p25, 1080p30, 720p25, 720p30
CVI Input:	4 MP, 1080p25, 1080p30, 720p25, 720p30
CVBS Input:	PAL, NTSC

Recording / Playback

Recording Bandwidth:	128 Mbps
Recording Resolution:	4 MP, 3 MP, 1080p, 720p, WD1, 4CIF (when 1080P lite not enabled)
Recording Mode:	Continuous, Event Alarm, Motion, Video Loss, Schedule
Search Mode:	Date, Time, Event Alarm, Motion, Search Backup, Quick search by object or event type
Playback:	Synchronised playback of max. 16 cameras
Frame Rate(R):	Main Stream (when 1080p Lite mode not enabled): For 3 MP stream access: 3 MP, 1080p, 720p, VGA, WD1, 4CIF, CIF@15fps For 1080p stream access: 1080p, 720p@15fps, VGA, WD1, 4CIF, CIF@25fps (P) , 30fps (N) For 720p stream access: 720p, VGA, WD1, 4CIF, CIF@25fps (P) , 30fps (N) When 1080p Lite mode enabled: 3 MP@15fps 1080p lite, 720p lite, VGA, WD1, 4CIF, CIF@25fps (P) , 30fps (N) Sub-stream: WD1, 4CIF@12fps, CIF@25fps (P) , 30fps (N)

Audio

Audio Compression:	G.711 u
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General

External Backup:	USB HDD, USB Memory, USB DVD-R, Network
Max. Storage Capacity:	Up to 10TB capacity for each HDD
PTZ Control:	Pan, Tilt, Zoom, Preset set and call

Network

Video Compression:	H.264, H.264+, H.265, H.265pro, H.265pro+
Network Protocol:	TCP/IP, PPPoE, DHCP, DNS, DDNS, NTP, SADP, NFS, iSCSI, UPnP™, HTTPS, ONVIF
Cyber Security:	3 levels of user management: admin, operator, user, AES Encryption for Password Protection, Complicated Password, HTTPS (SSL) Login Authentication, Basic and digest authentication for HTTP/HTTPS, Host authentication (MAC address), IP Address Filter, WSSE and digest authentication for ONVIF, Control timeout settings, Security audit log, SNMP V2, TLS 1.1, TLS 1.2, TLS 1.2 with updated cipher suites including AES 128 encryption. Brute Force Delay Protection, Signed Firmware, Secure Boot by software check, Secure Boot by hardware check
Remote Connections:	128

I/O Interface

HDMI Output:	1920×1080, 60Hz, 1280×1024, 60Hz, 1280×720, 60Hz, 1024×768, 60Hz
VGA Output:	1920×1080, 60Hz, 1280×1024, 60Hz, 1280×720, 60Hz, 1024×768, 60Hz
CVBS Output:	1-ch, BNC (1.0 Vp-p, 75 Ω) , resolution: PAL: 704 × 576, NTSC: 704 × 480
Audio Inputs:	1-ch, RCA (2.0 Vp-p, 1kΩ)
Audio Outputs:	1-ch, RCA (2.0Vp-p, 1KΩ)
Harddisk bay:	1 x SATA III

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I/O Interface

Network Interface:	1x 10, 100, 1000 Base T, TX (RJ-45)
Serial Interface(s):	Front panel: 1 × USB 2.0, Rear panel: 1 × USB 3.0, 1 × RS485 (Half Duplex)

Intelligent Functions

Motion Detection:	On, Off, Area Setting
Face Detection:	Human face capture for 1 Channel HD analogue camera (can not be enabled at the same time with other VCA functions)
Event Source:	Motion, Alarm, Video Loss, System
Event Action:	Pop-Up, Relay, E-Mail, FTP, Network, Buzzer, PTZ Preset

Approvals

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

Environmental

Operating Temperature:	-10°C ~ +55°C (+14°F ~ + 131°F)
Operating Humidity:	10% ~ 90%, non-condensing

Electrical

Supply Voltage:	12 VDC, Power Adapter 100 ~ 240 VAC 50, 60Hz included
Power Consumption:	≤ 24W without hard disks

Mechanical

Dimensions:	315 × 242 × 48 mm (12.4 × 9.5 × 1.8 inch)
Weight:	2000 g (4.4 lb)

Packaging

Package Dimensions:	485 x 290 x 85 mm (19.1 x 11.4 x 3.3 inch)
Package Weight:	2100 g (4.6 lbs)
Packaging Unit:	8
Bulk Package Dimensions:	723 x 503 x 313 mm (28.5 x 19.8 x 12.3 inch)
Bulk Package Weight:	17300 g (38.1 lbs)

Dimensions