# GRA-D4416A
## 16-Ch Standalone DVR 960H H.264

- 16 Channel video 960H Real-Time recording capability
- 4 independent Spot Monitors
- Tampering Alarm
- Coaxitron support for telemetry and camera setup
- USB, Remote & FTP Backup function
- Remote monitoring and control through network (LAN)
- Easy to use user interface
- Compatible to French law of August 2007 for quality in CCTV applications

## SUMMARY

The Grundig embedded 960H DVRs are the perfect match to the Grundig Analog Camera 960H line up. The latest technologies give them the power to record the highest analog resolution video in realtime.

No manual configuration is required to get a live picture and to start high quality recording, as it is absolutely standalone. Of course the setup menu gives you access to the camera settings to tweak your system to your desired operation.

The easy new user interface allow these DVRs to give you fast and amazing access to the Live, Playback, Search and Backup functions, as well as DVR and camera settings.
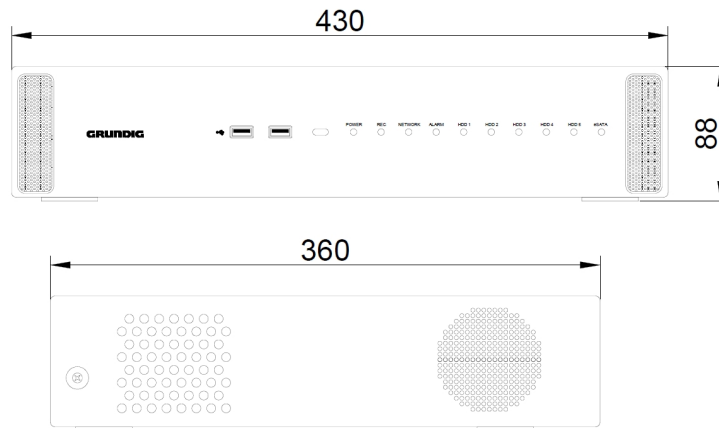
Use the advanced search tools to locate important recording, such as event search or the thumbnail search. Archive the recording, even during playback, on an external device (USB or FTP) or even on the DVR itself.

Or use the color multi-channel timeline that shows also events at a glance and gives you access to the playback, search and Archive functions of the DVR.

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## SPECIFICATIONS

| | |
|---|---|
| Operating System | Embedded Linux |
| Video Inputs | 16 CH Composite, BNC, Looped |
| Video Outputs | 5 CVBS BNC (1xMain, 4xSpot), 1 S-Video, 1 VGA, 1 HDMI |
| Harddisk bay | 5 x SATA II |
| Video Compression | H.264 |
| Recording Resolution | 960H (960x576), 4CIF (704x576), 2CIF (704 x 288), CIF (352x288) |
| Recording Speed | 400fps (352x288), 400fps (704x288), 400fps (704x576), 400fps (960x576) |
| Recording Mode | Continuous, Event Alarm, Motion, Video Loss, Schedule, Manual |
| Pre-Alarm | Off, 1, 2, 3, 4, 5, 10, 15 sec. |
| Post-Alarm | Off, 1, 2, 3, 4, 5, 10, 15, 30, sec., 1, 2, 3 min. |
| Display Resolution | max. 1920 x 1080 |
| Display Speed | 400 fps |
| Display Mode | Full screen, 4, 6, 8, 9, 16 |
| PTZ Control | Pan / Tilt / Zoom / Focus / Preset / Sequence / Auto Pan |
| Auto Switching | 0, 3, 5, 10, 20, 30 sec, Event or manual, Multi Channel Views |
| External Backup | USB HDD, USB Memory,Network, FTP |
| Watermark | Yes |
| Privacy zones | 4 per camera |
| Search Mode | Date/Time, Event, Thumbnail |
| Motion Detection | On/ Off/ Sensitivity/ Area setting |
| Event Source | Motion, Alarm, Video Loss, System, Tampering |
| Event Action | Pop-Up, Relay, E-Mail, Buzzer, PTZ Preset |
| Audio Inputs | 16 CH, 3.5mm Jack socket |
| Audio Outputs | 2 CH, 3.5mm Jack socket |
| Alarm Inputs | 18 contact input N/O or N/C |
| Alarm Outputs | 8 Relay |
| Network | 2x 10/100/1000Mbps RJ45 ports |
| Serial Interface(s) | 1x RS232, 1x RS485, 3x USB, 1x eSATA |
| Multiplex Function | Triplex |
| Video Streaming | Versatile Dual Streaming |
| Time Setting | Setting by NTP Server local or internet |
| Client software | Windows (XP, Vista, 7), Web Viewer: IE, Firefox, Safari, Chrome; Mobile: iPhone, Android |
| Operating Temperature | 0°C ~ +40°C |
| Humidity | less than 90%, non condensing |
| Supply Voltage | 110 ~ 240 VAC/50Hz |
| Certification | FCC,CE |
| Power Consumption | 24 (without HDD) W |
| Weight | 5.5 kg |
| Dimensions w*h*d | 430 x 88 x 367 mm |

## DIMENSIONS



## FRONT VIEW

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