

# GRH-K2116A

## 16 Channel H.264 HD-SDI Recorder with DVD-RW Drive



- 16 Channel FullHD 120fps recording capability (240fps live)
- supports up to 64TB with GDS-R04A or up to 16TB intern or eSATA
- Search by time, calendar, event or thumbnails
- USB2.0 Interface / eSATA Interface / Built in DVD-RW drive
- Compatible with Grundig CCTV Software
- Compatible to French law of August 2007 for quality in CCTV applications
- Compatible with many mobile applications such as iPhone®, Blackberry®, Android® and Windows Mobile®

### SUMMARY

Based on the Television Standard for FullHD Television, HD-SDI products feature up to 2 Megapixel (1920x1080) pictures in real-time (30fps) transmitted over coax cabling.

Get the advantages of IP technology without their drawbacks. Get 16:9 megapixel pictures without network configuration, bandwidth problems and network security risks. Use existing coax cables and only exchange the cameras and recorders. Get a "real" live picture and see the things that happen in the now, not a few seconds ago. Connect a monitor directly to a camera using only a HD-SDI-to-HDMI converter.

HD-SDI products are easy to handle, easy to install and produce amazing high quality pictures.

## SPECIFICATIONS

Operating System	Embedded OS
Video Inputs	16 CH HD-SDI, BNC
Video Outputs	1 VGA, 1 HDMI
Storage Max. Expansion	16TB (intern or eSATA), 64 TB (GDS-R04A)
Basic Internal Storage	2 TB
RAID	Software based mirroring
Video Compression	H.264, JPEG
Recording Resolution	FullHD (1920x1080), HD (1280x720), Full D1 (704x576), Half D1 (704x288), CIF (352x288)
Recording Speed	120fps (FullHD), 240fps (HD)
Recording Mode	Continuous, Event Alarm, Motion, Video Loss, Schedule, Manual
Display Resolution	max. 1920 x 1080
Display Speed	240 fps
Auto Switching	0, 3, 5, 10, 20, 30 sec, Event or manual
Internal Backup	Built in DVD-RW drive
External Backup	USB HDD, USB Memory, DVD-R, Network, eSATA
Search Mode	Date/Time, Event Alarm, Motion, Video Loss, Thumbnails
Motion Detection	On/ Off/ Area Setting
Event Source	Motion, Alarm, Text, Video Loss, System
Event Action	Pop-Up, Relay, E-Mail, FTP, Network, Buzzer, PTZ Preset
Audio Inputs	4 CH, RCA
Audio Outputs	1 CH, RCA
Alarm Inputs	16 contact input N/O or N/C
Alarm Outputs	4 Relay
Compliant	SMPTE-292/296M
Interfaces	2 port RS-485, 1 port RS-232, 1 DAS, 1 Ethernet and 2 USB 2.0 ports
ATM/POS	Supports up to 16 ATM/POS with VSI-Pro Hydra Modules
Time Setting	Setting by NTP Server local or internet
Video Streaming	Versatile Triple Streaming (Dual H.264 + single JPEG)
Multiplex Function	Pentaplex
Network	Ethernet, 10/100 Base-T for PC client, 1000 Base-T for storage, ADSL Static IP, ADSL Dynamic IP(PPPoE), Cable Network (Dynamic IP)
Client software	Windows (XP, Vista, 7), Web Viewer: IE, Firefox, Safari, Chrome; Mobile: iPhone, Blackberry, Android, Windows Mobile, Symbian
Operating Temperature	5°C ~ +45°C
Humidity	less than 90%, non condensing
Supply Voltage	110 ~ 240 VAC/50Hz
Power Consumption	100 W
Weight	10 kg
Dimensions w*h*d	445 x 88 x 418 mm