GRN-R2232P

FOR A GOOD REASON
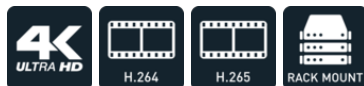# GRUNDIG
TECHNICAL SPECIFICATIONS

32 CH NVR with 16 CH PoE switch

- Supports a maximum of 12 MP recording resolution
- 4K video display on main HDMI
- Built in PoE Switch for direct IP camera connection
- Digital Spot Function to stream the CVBS Spot monitor into network
- Multiplex (Live/Playback, Recording, Backup, Networking)
- Controlled locally by USB mouse or remotely through Ethernet connection with CMS, Web page and Smartphone
- Recorded files backup via USB device or optional DVDRW
- Video recording with NAS System and Local HDD

Operating System:	Embedded Linux
IP Inputs:	32 channels
Video Outputs:	1x VGA, 1x HDMI
Harddisk bay:	4 x SATA II
Max. Storage Capacity:	24 TB (4x6 TB SATA), 4x SATA, 1x eSATA
Basic Internal Storage:	No
Video Compression:	H.265, H.264, MPEG4
Recording Resolution:	12 MP/ 8 MP/ 6 MP/ 5 MP/ 4 MP/ 1080P/ UXGA/ 720P/ VGA/ 4CIF/ DCIF/ 2CIF/ CIF/ QCIF, VGA (640x480), 4CIF (704x576), 720p (1280x720), 1.3MP (1280x960), UXGA (1600x1200), 1080p (1920x1080), QXGA (2048x1536), 5MP (2560x1920)
Recording Bandwidth:	max. 200 Mbps
Outgoing Bandwidth:	max. 256 Mbps
Recording Mode:	Continuous, Event Alarm, Motion, Video Loss, Schedule
Display Resolution:	4K(3840*2160)/60Hz, 4K(3840*2160)/30Hz, 1920*1080P/60Hz, 1600*1200/60Hz, 1280*1024/60Hz, 1280*720/60Hz, 1024*768/60Hz
Playback:	Synchronised playback of max. 8 cameras
Search Mode:	Date/Time, Event Alarm, Motion, Search Backup
External Backup:	USB HDD, USB Memory, DVD-ROM, Network, eSATA
Watermark:	Yes
Motion Detection:	On/ Off/ Area Setting
Event Source:	Motion, Alarm, Video Loss, System
Event Action:	Pop-Up, Relay, E-Mail, FTP, Network, Buzzer, PTZ Preset
PTZ Control:	Pan/Tilt/Zoom, Camera OSD, Preset set/call
Audio Inputs:	16 channels (over IP), 1 channel (BNC, 2.0Vp-p, 1KOhms)
Audio Outputs:	1 Ch (BNC)
Audio Compression:	G.711
Alarm Inputs:	16
Alarm Outputs:	4
ONVIF compliant:	Profile S, Profile G
Network Interface:	16x 10/100 Base T/TX PoE (RJ-45) + 1x 10/100/1000 Base T/TX (RJ-45)
PoE Budget:	200W
Remote Connections:	Up to 128 (depending on available outgoing bandwith)
Network Protocol:	DDNS, DHCP, DNS, IPv4/IPv6, NFS, NTP, PPPoE, RTP, SADP, SMTP, SNMP, TCP/IP, UDP
Serial Interface(s):	1x RS-232, RS-485 (Half) for PTZ, System keyboard
Client software:	Windows (Vista, 7, 8), Web Viewer: IE, Firefox, Safari, Chrome; Mobile: iOS, Android
Certifications:	CE, RoHS
Operating Temperature:	-10°C ~ +55°C
Humidity:	10 ~ 90%RH
Chassis:	19-inch rack-mounted, 1.5U
Supply Voltage:	100 ~ 240 Vac, 50/60Hz
Dimensions (W x H x D):	445 x 390 x 70 mm - 17.52 x 15.35 x 2.76 In:
Power Consumption (W):	35
Weight:	5 kg - 11.02 lbs