

GVR3550 NVR

Network Video Recorder



GVR3550

The GVR3550 is a powerful Network Video Recorder (NVR) that offers small to medium businesses (SMBs) and residential users a reliable and easy-to-manage solution for video surveillance recording and monitoring. It provides video recording, indexing, searching and video storage management for up to 24* IP video cameras to allow users to record and monitor their IP video surveillance network using one device. The GVR3550 supports all Grandstream IP Video surveillance cameras and IP Video Encoders/Decoders in addition to all ONVIF compliant IP Cameras. Users can view the live feed of up to 16 cameras simultaneously by connecting the GVR3550 to a TV or computer monitor or through remote access, and can save up to 16TB of video files on the device by connecting up to 4 hard drives.

Feature Highlights

- Up to 24 channels (RAID 0 and 7,200rpm HDD) or 16 channels* (RAID 1 or 5,400rpm HDD) of 720p HD video/audio real-time recording (see product FAQs for details)
- Automatic discovery for IP cameras on the local network
- Fully customizable recording rules: time based, event based, manual or automatic
- Patent-pending storage system design that is resilient against power interruptions
- Grandstream's innovative Direct I/O technology allows concurrent access to live view, searching and playback, PTZ and much more
- 1 HDMI and 1 VGA output for full HD local playback, easy-to-access USB, eSATA, alarm in and alarm out ports for future expansion and external integration
- 1 RJ45 10M/100M/1000M network interface
- Up to 4 SATA 3.5" internal hard drives with maximum 16TB storage and RAID 0 or RAID 1 configurations
- Automatic recording resume after power failure and automatic storage recycling
- Complete security features including role based access control, event/system logs and hard drive content encryption

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Technical Specifications

Video Recording	Up to 24 channels (RAID 0 and 7,200rpm HDD) or 16 channels* (RAID 1 or 5,400rpm HDD) of 720p (1280x720) or half the channel density using 1080p Full HD
Total Recording Rate	Up to 48 Mbps
Recording Modes	Continuous mode, record by schedule, event triggered or manual
Video Compression	H.264 baseline, main or high profile
Audio Recording	Synchronized audio and video recording
Audio Compression	G.711 (u-Law and a-Law)
Live View	Up to 16 channels of VGA, 4 channels of 720p, or 2 channels of 1080p via HDMI or VGA output
Event Trigger	Yes
Intelligent Search	Time & date, motion
Total Storage	Up to 16TB internally with encryption; additional storage available via external eSATA
RAID	RAID 0 or RAID 1 support
Storage Redundancy	Backup to USB
HDMI Interface	1 x HDMI
VGA Interface	1 x VGA
Network Interface	1 x 10/100/1000Mbps auto-sensing RJ45 port
Line-in	1 x RCA
Line-Out	1 x RCA
Alarm-In	Terminal 16 inputs (NO/NC), Vin 2.5V~12V, Iin 2.5mA~30mA
Alarm-Out	Terminal 2 outputs (Relay), 0.5A at 125 VAC; 2A at 30 VDC
UPS	UPS Management (pending)
USB Interfaces	2 x USB 2.0 host ports
eSATA	1 x eSATA port
LED indicators	Power, LAN Link/Activity, Hard Drive Activity, fn
Input	1 IR Remote Control; optional USB mouse and keyboard
RTC	Yes
Internal HDD	Up to 4 3.5" SATA hard drives with maximum 16TB storage (HDD not included)
QoS	Layer 2 QoS (802.1Q, 802.1p) (Layer 2 QoS pending) and Layer 3 QoS (ToS, DiffServ, MPLS) coming soon
Network Protocols	TCP/IP/UDP, RTP/RTCP/RTSP, HTTP/HTTPS, ARP, ICMP, DNS/DDNS, DHCP (client and server), NTP (client and server), SSH, PPPoE, LLDP (pending), 802.1X, ONVIF 2.2
IP Cameras Supported	Grandstream GXV36xx cameras, GXV35xx encoders/decoders, & 3rd party ONVIF compliant cameras
Provisioning	HTTP, HTTPS, ONVIF
Security	HTTPS, 802.1x (pending), SSH
Management	Syslog, Web Browser, SSH, GSurf Pro (pending)
Universal Power Supply	Input:100~240V 50/60Hz Output:12V/5A 60W
Environmental	Operation: 0°C to 50°C Storage: -20°C to 60°C (HDDs not included) Humidity: 10% to 90% non-condensing
Physical	440mm (W) x 343.5mm (L) x 44mm (H) Package weight: 4052.5g
Mounting	1U rack mount with front brackets
Compliance	FCC: Part 15, (CFR 47) Class B CE: EN 55022, EN 55024, EN 61000-3-2, EN 61000-3-3, EN 60950 RCM: AS/NZS CISPR22, AS/NZS CISPR24, AS/NZS 60950 Comply with R & TTE, RoHS & WEEE

* For application scenarios with light video browsing activity. If heavy browsing/display is anticipated, please check product FAQ on performance constraints, which can be found at www.grandstream.com