

# 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

<b>Video Recording</b>	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
<b>Total Recording Rate</b>	Up to 48 Mbps
<b>Recording Modes</b>	Continuous mode, record by schedule, event triggered or manual
<b>Video Compression</b>	H.264 baseline, main or high profile
<b>Audio Recording</b>	Synchronized audio and video recording
<b>Audio Compression</b>	G.711 (u-Law and a-Law)
<b>Live View</b>	Up to 16 channels of VGA, 4 channels of 720p, or 2 channels of 1080p via HDMI or VGA output
<b>Event Trigger</b>	Yes
<b>Intelligent Search</b>	Time & date, motion
<b>Total Storage</b>	Up to 16TB internally with encryption; additional storage available via external eSATA
<b>RAID</b>	RAID 0 or RAID 1 support
<b>Storage Redundancy</b>	Backup to USB
<b>HDMI Interface</b>	1 x HDMI
<b>VGA Interface</b>	1 x VGA
<b>Network Interface</b>	1 x 10/100/1000Mbps auto-sensing RJ45 port
<b>Line-in</b>	1 x RCA
<b>Line-Out</b>	1 x RCA
<b>Alarm-In</b>	Terminal 16 inputs (NO/NC), Vin 2.5V~12V, Iin 2.5mA~30mA
<b>Alarm-Out</b>	Terminal 2 outputs (Relay), 0.5A at 125 VAC; 2A at 30 VDC
<b>UPS</b>	UPS Management (pending)
<b>USB Interfaces</b>	2 x USB 2.0 host ports
<b>eSATA</b>	1 x eSATA port
<b>LED indicators</b>	Power, LAN Link/Activity, Hard Drive Activity, fn
<b>Input</b>	1 IR Remote Control; optional USB mouse and keyboard
<b>RTC</b>	Yes
<b>Internal HDD</b>	Up to 4 3.5" SATA hard drives with maximum 16TB storage (HDD not included)
<b>QoS</b>	Layer 2 QoS (802.1Q, 802.1p) (Layer 2 QoS pending) and Layer 3 QoS (ToS, DiffServ, MPLS) coming soon
<b>Network Protocols</b>	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
<b>IP Cameras Supported</b>	Grandstream GXV36xx cameras, GXV35xx encoders/decoders, & 3rd party ONVIF compliant cameras
<b>Provisioning</b>	HTTP, HTTPS, ONVIF
<b>Security</b>	HTTPS, 802.1x (pending), SSH
<b>Management</b>	Syslog, Web Browser, SSH, GSurf Pro (pending)
<b>Universal Power Supply</b>	Input:100~240V 50/60Hz Output:12V/5A 60W
<b>Environmental</b>	Operation: 0°C to 50°C Storage: -20°C to 60°C (HDDs not included) Humidity: 10% to 90% non-condensing
<b>Physical</b>	440mm (W) x 343.5mm (L) x 44mm (H) Package weight: 4052.5g
<b>Mounting</b>	1U rack mount with front brackets
<b>Compliance</b>	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](http://www.grandstream.com)

Monitor not included