



# GVR3550

## Small Business Network Video Recorder

The GVR3550 Network Video Recorder (NVR) offers small to medium businesses and residential users a dedicated and reliable solution for centralized IP 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 can be viewed and managed by connecting the GVR3550 directly to a TV or computer monitor or through the web user interface. The GVR3550 supports all Grandstream IP Video surveillance cameras and IP Video Encoders/Decoders and can automatically detect these devices. Users can view the live feed of up to 16 cameras simultaneously and can save up to 16TB of video files on the device by connecting up to 4 hard drives (hard drives not included).



Supports Motion Detection with up to 16 motion detection target areas



A variety of alert options and the ability to integrate with external alarm and audio devices

**SIP**

Supports Grandstream IP Cameras and third party ONVIF compliant SIP cameras



Records and monitors in up to 1080p full HD video resolution

**HDMI™**

HDMI (and VGA) output for local playback and live monitoring

<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>	1x10 10/100/1000 Mbps auto-sensing RJ45 port
<b>Line-in</b>	1xRCA
<b>Line-out</b>	1xRCA
<b>Alarm-in</b>	Terminal 4 Inputs (NO/NC), Vin 2.5v, ~12v, Iin 2.5mA~30,
<b>Alarm-out</b>	Terminal 2 Outputs (Relay) 0.5A at 125VAC; 2A at 30 VDC
<b>UPS</b>	UPS Management
<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, ONVIF 2.2
<b>IP Cameras Supported</b>	Grandstream GXV36xx cameras, GXV35xx encoders/decoders, 3rd party ONVIF compliant cameras (pending)
<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