



The GXV350X series is a next generation IP video server/encoder with powerful innovations. It packs a number of cutting-edge technologies including H.264 real time video compression (D1 resolution) with sharp image clarity at low-to-moderate bandwidth, industry leading SIP/VoIP for 2-way audio and video streaming to mobile phones and video phones, PoE, embedded analytics, large pre-/post-event recording buffer, and advanced security protection. Its unique incorporation of the most comprehensive peripheral support for alarm control, local storage expansion, and wireless network connection, creates sophisticated and best-in-class control flexibility and scalability. The GXV350X can be managed with GSurf, Grandstream's intuitive video management software that controls up to 36 cameras simultaneously. The GXV350X series offers an excellent solution for IP enabling of traditional analog cameras for professional surveillance environments.

Feature Highlights

- Advanced multi-streaming-rate real-time H.264, Motion JPEG at D1 resolution
- 1 or 4 Analog video inputs (BNC) and 1 or 4 alarm input & outputs
- Audio input and output, RS485/232, PTZ control
- 24MB pre-/post-event recording buffer per port
- USB 2.0 port and SD slot for storage/wireless network card
- Integrated Power-over-Ethernet (802.3af), optional antenna for wireless network
- Embedded video analytics including motion (up to 16 target areas) & video loss detection
- SIP/VoIP support for two-way audio communications and video streaming to mobile phones and video phones
- Built-in high performance streaming server to allow up to 12 simultaneous D1 viewers or 25 CIF viewers

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GXV3501/3504

Technical Specifications

Models	GXV3501	GXV3504, GXV3504W
Channels	1	4
Video Compression	H.264 BP @Level 3.0, JPEG, Motion JPEG	H.264 BP @Level 3.0, JPEG, Motion JPEG
Max Video Resolution	Full D1: 720 x 576 (PAL) 720 x 480 (NTSC)	Full D1: 720 x 576 (PAL) 720 x 480 (NTSC)
Max Frame Rate in Max Video Resolution	30fps/25fps at D1 (NTSC/PAL)	75fps/62.5fps (NTSC/PAL): 4 Ports at CIF at full rate, or 2 Ports at D1 & 2 Ports at CIF at full rate, or 4 ports at D1 at reduced rate
Video Bit Rate	32 Kbps -2 Mbps	32 Kbps -2 Mbps
Video Input	1 (BNC, voltage 1.0Vp-p, resistance 75 Ω)	4 (BNC, voltage 1.0Vp-p, resistance 75 Ω)
Audio Input	3.5mm LINE-IN	4 (BNC), 3.5mm LINE-IN
Audio Output	3.5mm LINE-OUT	3.5mm LINE-OUT
Audio Compression	G.711, G.726	G.711, G.726
Alarm Input	1	4
Alarm Output	1 (125VAC/0.5A, 30VAC/2A)	4 (125VAC/0.5A, 30VAC/2A)
PTZ Control	Yes	Yes
Serial Ports	RS485	RS485 / RS232
Embedded Analytics	Motion Detection (up to 16 target areas), video loss (pending)	Motion Detection (up to 16 target areas), video loss (pending)
Pre-/post alarm buffer	24MB	24MB (per channel)
Snapshots	trigger upon events, send via email/FTP	trigger upon events, send via email/FTP
Multi-streaming-rate for Preview and Recording	Yes	Yes
Security	Video watermark, HTTPS, password	Video watermark, HTTPS, password
Power over Ethernet (PoE)	Standard, IEEE 802.3af Class 3	Standard, IEEE 802.3af Class 3
Peripheral Ports	SD 2.0, USB Host 2.0	SD 2.0, USB Host 2.0
Wi-Fi (802.11b/g)	No	5dB external antenna, GXV3504W only
SIP/VoIP Support	Yes	Yes
Dimensions (L x W x H)	159mm x 108mm x 32mm	230mm x 155mm x 43mm
Weight	0.6kg	1kg
Temperature / Humidity	-10°C- +55°C (14°F-131°F) Humidity 10-90% RH (non-condensing)	-10°C- +55°C (14°F-131°F) Humidity 10-90% RH (non-condensing)
Power	Output: 12VDC/1.0A; Input: 100-240VAC, 50-60Hz	Output: 12VDC/1.5A; Input: 100-240VAC, 50-60Hz
Compliance	FCC Part 15, Subpart B Class B; EN 55022 Class B, EN 61000-3-2, EN 61000-3-3, EN 55024, EN 60950-1; C-tick AS/NZS CISPR 22, CISPR 24	FCC Part 15, Subpart B Class B; EN 55022 Class B, EN 61000-3-2, EN 61000-3-3, EN 55024, EN 60950-1; C-tick AS/NZS CISPR 22, CISPR 24

