



GXV3500 is an innovative next generation IP video encoder + decoder + public announcement system 3-in-1 combo device. It features cutting edge H.264 real-time video compression for analog video as well as IP video decoding with excellent image clarity. It offers industry leading SIP/VoIP for 2-way audio, video streaming to mobile phones and video phones, integrated PoE, a large pre-/post-event recording buffer, and advanced security protection. Its integration of comprehensive peripherals including microphone input, alarm control and TV/audio output allows the device to also function as a powerful and flexible voice/video public announcement system using microphones, IP phones, or IP video phones. The GXV3500 can be managed with GSurf, Grandstream's advanced and intuitive video management software that controls up to 36 cameras simultaneously. It offers an HTTP API and is fully compliant with ONVIF standard. The GXV3500 is an advanced first-of-its-kind IP video encoder + decoder + public announcement system 3-in-1 combo product for professional surveillance and security monitoring applications.

Feature Highlights

- Decodes standard definition PAL/NTSC composite video stream, or smaller resolutions
- Advanced multi-streaming-rate real-time H.264, Motion JPEG at D1 resolution
- Support 24MB pre-/post-event recording buffer, Line-Out and Mic-In audio connections
- Support composite (RCA) video output to TV, Motion Detection, and Notification on PC Client
- Support both Variable Bit Rate and Variable Frame Rate
- Support IE and Firefox for network preview
- Built-in high performance streaming server to allow 10+ simultaneous viewers
- SIP/VoIP support for two-way audio and video streaming to mobile phones/video phones
- Integrated Power-over-Ethernet (802.3af)
- Full ONVIF compliance
- Support voice announcement from microphone or remote SIP phones, or video announcement/advertisement from remote SIP video phones or IP video streaming content

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Video Compression	H.264, JPEG, Motion JPEG	
Max Video Resolution	Encoding	Decoding
	NTSC : 704x480@30fps (4CIF) 640x480@30fps (VGA) 352x240@30fps (CIF) 320x240@30fps (QVGA) 176x112@30fps (QCIF)	NTSC : 720x480@30fps(4CIF) 640x480@30fps (VGA) 352x240@30fps (CIF) 320x240@30fps (QVGA) 176x112@30fps (QCIF)
	PAL: 704x576@25fps (4CIF) 640x480@25fps (VGA) 352x288@25fps (CIF) 320x240@25fps (QVGA) 176x144@25fps (QCIF)	PAL: 720x576@25fps (4CIF) 640x480@25fps (VGA) 352x288@25fps (CIF) 320x240@25fps (QVGA) 176x144@25fps (QCIF)
Max Frame Rate in Max Resolution	30fps/25fps for D1 (NTSC/PAL)	
Video Bit Rate	16 Kbps – 2 Mbps	
Video Input	BNC (voltage1.0Vp-p,resistance75)	
Audio Input	3.5mm MIC IN	
Audio/Video Output	3.5mm, 3-leg A/V cable for TV audio & video output	
Alarm Input	Digital input port. Normal open (low), Current (DC) <50mA. Voltage <45V to activate	
Alarm Output	Digital output port. Normal open, Voltage <80V, Current<50mA	
Audio Compression	G.711a/u	
Serial Ports	RS485 (PTZ control)	
Embedded Analytics	Motion detection (up to 16 target areas), video loss (pending)	
Pre-/post-alarm Buffer	24MB	
Snapshots	Triggered upon events, send via email/FTP	
Multi-streaming-rate for Preview & Recording	Yes	
Security	Video watermark (pending), HTTPS, admin/anonymous	
Network Port	10M/100M auto-sensing, RJ45	
Network Protocol	TCP/UDP/IP, RTP/RTCP, RTSP, DHCP, DDNS, HTTP, HTTPS, SMTP, FTP, NTP	
Power over Ethernet (PoE)	IEEE 802.3af class 0	
SIP/VoIP Support	Yes, Voice & Video-over-IP	
Dimensions (W x H x L)	67mm x 34mm x 96mm	
Weight	121g	
Temperature / Humidity	0°C – 45°C (32°F–113°F); Humidity 10–90% RH (non-condensing)	
Power Adapter	Output: 12VDC/0.5A; Input:100–240VAC, 50/60Hz	
Compliance	FCC, CE, C-Tick	