GXV3500
IP Video Encoder/Decoder

Grandstream
Innovative IP Voice & Video

GXV3500

The GXV3500 is an innovative IP video encoder, decoder and public announcement system combo device. It features cutting edge H.264 real-time video compression for encoding analog video to IP or decoding IP video to analog, making the GXV3500 a necessary component of any surveillance solution that requires both IP and analog streams and the ideal device to convert analog video streams to IP. The GXV3500 offers excellent image quality, industry leading SIP/VoIP for 2-way audio and 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 Input and Output control allows the device to function as a powerful and flexible voice/video public announcement system (PAS) using Microphones, IP phones or IP video phones. Peering the GXV3500 will allow users using a joystick controller to operate any PTZ analog camera remotely via an IP network. The GXV3500 allows users to fully utilize existing equipment they have already invested in and upgrade to an advanced IP solution. The GXV3500 can be managed by GSurf_Pro, Grandstream's advanced and intuitive Video Management Software that controls up to 36 cameras simultaneously. The GXV3500 offers an HTTP API and is fully compliant with ONVIF standard. The state-of-the-art GXV3500 is the ideal IP video encoder/decoder/PAS combo product for all surveillance and security monitoring applications.

Feature Highlights

- Encodes/Decodes standard definition PAL/NTSC composite video stream, or smaller resolutions
- Advanced multi-streaming rate real-time H.264, Motion JPEG at D1 resolution
- Pre/post event recording buffer, Line Out and Microphone Input audio connections
- Supports composite (RCA) video output to TV, Motion Detection and Alarm Notification
- Supports both variable bit rate and variable frame rate

- Built-in high performance streaming server to allow Multiple simultaneous viewers (Encoder mode only)
- Supports IE, Chrome and Firefox via network preview
- SIP/VoIP support of two-way audio and video streaming to mobile phones and video phones
- Integrated Power-over-Ethernet (802.3af)
- Full ONVIF compliance

GXV3500
Technical Specifications

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Video Compression	H.264, JPEG, Motion JPEG	
	Encoding	Decoding
Max Video Resolution	NTSC: 704*480@30fps (4CIF/D1) 640*480@30fps (VGA) 704*240@30fps (2CIF) 352*240@30fps (CIF) 320*240@30fps (QVGA) 160*112@30fps (QCIF)	NTSC: 704*480@30fps (4CIF/D1) 640*480@30fps (VGA) 704*240@30fps (2CIF) 352*240@30fps (CIF) 320*240@30fps (QVGA) 160*112@30fps (QCIF)
	PAL: 704*576@25fps (4CIF/D1) 640*480@25fps (VGA) 704*288@25fps (2CIF) 352*288@25fps (CIF) 320*240@25fps (QVGA) 160*144@25fps (QCIF)	PAL: 704*576@25fps (4CIF/D1) 640*480@25fps (VGA) 704*288@25fps (2CIF) 352*288@25fps (CIF) 320*240@25fps (QVGA) 160*144@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, resistance 75 ohm)	
Audio Input	3.5mm, Microphone IN	
Audio/Video Output	3.5mm, AV cable to TV Audio & Video Input.	
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, AAC	
Serial Ports	RS485 (PTZ control)	
Embedded Analytics	Motion detection (up to 16 target areas)	
Pre-/post-alarm Buffer	24MB	
Snapshots	Triggered upon events, send via email/FTP	
Multi-streaming-rate for Preview & Recording	Yes	
Security	Video watermark , HTTPS, User Password	
Network Port	10M/100M auto-sensing, RJ45	
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 or 4.3oz	
Temperature / Humidity	0℃ - 45℃（32℉-113℉）; Humidity 10-90% RH (non-condensing)	
Power Adapter	Output: 12VDC/0.5A; Input: 100-240VAC,50/60Hz	
Compliance	FCC,CE,C-Tick	