



# GXV3500

## Video Encoder, Decoder and P.A.S. Device

The GXV3500 is an IP video encoder, decoder and public announcement system combo device. It features 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. 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 v2 and GVR3550. The GXV3500 offers an HTTP API and is fully compliant with ONVIF standard.



Supports Motion Detection with up to 16 motion detection target areas



Supports a variety of alert notifications thanks to audio/video streaming

### SIP

SIP/VoIP support of two-way audio and video streaming



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



Built-in Power over Ethernet (PoE)

|   |  |  |
|---|--|--|
| <b>Video Compression</b>                              | H.264, JPEG, Motion JPEG   |  |
| <b>Max Frame Rate in Max Resolution</b>               | 30fps/25fps for D1 (NTSC/PAL)  |  |
| <b>Video Bit Rate</b>                                 | 16 Kbps - 2 Mbps   |  |
| <b>Video Input</b>                                    | BNC (voltage1.0Vp-p, resistance 75 ohm)  |  |
| <b>Audio Input</b>                                    | 3.5mm, Microphone IN   |  |
| <b>Audio/Video Output</b>                             | 3.5mm, AV cable to TV Audio & Video Input  |  |
| <b>Alarm Input</b>                                    | Digital input port. Normal open (low), Current (DC) <50mA. Voltage <45V to activate  |  |
| <b>Alarm Output</b>                                   | Digital output port. Normal open, Voltage <80V,Current <50mA   |  |
| <b>Audio Compression</b>                              | G.711a/u, AAC  |  |
| <b>Serial Ports</b>                                   | RS485 (PTZ control)  |  |
| <b>Embedded Analytics</b>                             | Motion detection (up to 16 target areas)   |  |
| <b>Pre/Post Alarm Buffer</b>                          | 24MB   |  |
| <b>Snapshots</b>                                      | Triggered upon events, send via email/FTP  |  |
| <b>Multi streaming rate for Preview and Recording</b> | Yes  |  |
| <b>Security</b>                                       | Video watermark , HTTPS, User Password   |  |
| <b>Network Ports</b>                                  | 10M/100M auto-sensing, RJ45  |  |
| <b>Protocol</b>                                       | TCP/UDP/IP, RTP/RTCP, RTSP, DHCP, DDNS, HTTP, HTTPS, SMTP, FTP, NTP  |  |
| <b>PoE</b>  | IEEE 802.3af, Class 0  |  |
| <b>SIP/VoIP Support</b>                               | Yes, Voice & Video-over-I  |  |
| <b>Dimensions</b>                                     | 67mm x 34mm x 96mm   |  |
| <b>Weight</b>   | 121g or 4.3oz  |  |
| <b>Temperature/Humidity</b>                           | 0 degrees Celcius - 45 degrees celcius; Humidity 10-90% RH (non-condensing)  |  |
| <b>Power Adapter</b>                                  | Output: 12VDC/0.5A; Input: 100-240VAC,50/60Hz  |  |
| <b>Compliance</b>                                     | FCC,CE,C-Tick  |  |
| <b>Max Video Resolution: Encoding</b>                 | NTSC :<br>704x480@30fps (4CIF)<br>640x480@30fps (VGA)<br>352x240@30fps (CIF)<br>320x240@30fps (QVGA)<br>176x112@30fps (QCIF) | PAL:<br>704x576@25fps (4CIF)<br>640x480@25fps (VGA)<br>352x288@25fps (CIF)<br>320x240@25fps (QVGA)<br>176x144@25fps (QCIF) |
| <b>Max Video Resolution: Decoding</b>                 | NTSC:<br>720x480@30fps(4CIF)<br>640x480@30fps (VGA)<br>352x240@30fps (CIF)<br>320x240@30fps (QVGA)<br>176x112@30fps (QCIF)   | PAL:<br>720x576@25fps (4CIF)<br>640x480@25fps (VGA)<br>352x288@25fps (CIF)<br>320x240@25fps (QVGA)<br>176x144@25fps (QCIF) |