



## HD IP Video Intercom System GDS3712

The GDS3712 is a hemispheric IP Video Intercom System that also serves as a high-definition IP surveillance camera to offer facility access control and security monitoring for buildings of all sizes. Powered by an advanced Image Sensor Processor (ISP) and state of the art image algorithms, it delivers exceptional performance without blind spots. The GDS3712 IP video intercom system features industry-leading SIP/VoIP for 2-way audio and video streaming to smart phones and SIP phones and the GDS management software. This system is equipped with integrated PoE for seamless installation, motion detection for security protection, lighting control switch and more. The GDS3712 can also be managed with GSURF Pro or any ONVIF-compliant video management system. It also offers a flexible HTTP API for easy integration with 3rd party applications and other surveillance systems. The combination of the GDS3712, Grandstream's IP phones, video phones, and Wave mobile app provides a complete end-to-end solution for access control, video intercom, and security recording needs.



Powerful video resolutions up to 1080p



2 Relay for Electric Lock and Alarm out, 2 Alarm In for Exit button and door sensor



SIP video streaming to video intercom stations, IP phones, or smart phones simultaneously



Built with a metal casing to make it weatherproof and vandal resistant



Built-in hemispheric camera allows for 180-degree wall-to-wall coverage



Supports motion detection



Integrated PoE to power the device and provide a network connection



Built-in microphone and speaker offers voice options and intercom functionality

<b>Video Compression</b>	H.264 High Profile / Main Profile / Baseline Profile, Motion JPEG
<b>Image Sensor Resolution</b>	1/2.7", 2 Megapixel, 1920H x 1080V
<b>Lens Type</b>	1/2", F2.5, FOV:180°(W) x 150°(H)
<b>Max Video Resolution</b>	1920x1080
<b>Max Frame Rate</b>	30 frames per second
<b>Wide Dynamic Range</b>	Yes, up to 120dB
<b>Video Bit Rates</b>	128 Kbps to 4 Mbps, multi-rate for preview & recording
<b>PoE</b>	IEEE 802.3af Class3
<b>Embedded Analytics</b>	Motion detection (up to 4 privacy masks)
<b>Snapshots</b>	Triggered upon Events, Send via email and/or FTP
<b>Multi-Stream Resolution</b>	High-performance streaming server allowing multiple simultaneous access Primary video stream: 1920 x 1080 resolution for continuous full HD recording Secondary video stream: 1280 x 720 resolution for SIP/VoIP video calls Third video stream: 320 x 240 resolution for smartphone applications
<b>Network Protocol</b>	TCP/IP/UDP, RTP/RTCP, HTTP/HTTPS local upload and mass provisioning using TR-069, ARP/RARP, ICMP, LLDP-MED, DNS, DHCP, SSH, SMTP, TFTP, NTP, STUN, TLS, SRTP
<b>SIP/VoIP Support</b>	Broad interoperability with most 3rd party SIP/VoIP devices and leading SIP/NGN/IMS platforms
<b>Voice Codecs</b>	G.711 $\mu$ -a-law, G.722, in-band and out-of-band DTMF (in audio, RFC2833, SIP INFO), AEC
<b>QoS</b>	Layer 2 QoS (802.1Q, 802.1P) and Layer 3 QoS (ToS, Diff Serv, MPLS)
<b>Security</b>	User and administrator level RTSP access, MD5 and MD5-sess based authentication, 256-bit AES encrypted configuration file, TLS, SRTP, HTTPS, 802.1Q
<b>Upgrade/ Provisioning</b>	Firmware upgrade via TFTP/HTTP/HTTPS, mass provisioning using TR-069 or AES encrypted XML configuration file
<b>Audio Input</b>	Built-in microphone, up to 1.5m with AEC
<b>Audio Output</b>	Built-in HD loudspeaker (2 watts), good up to 3 m
<b>Button</b>	1 call button with Blue LED backlight
<b>Alarm Input</b>	2 Optocoupler Input, Vin < 15V, for door sensor or other low voltage device
<b>Alarm Output</b>	2 Relay, 125VAC/0.5A or 30VDC/2A, Normal Open or Normal Close, for electric lock, light switch or other device
<b>Network Interface</b>	10M/100M auto-sensing
<b>Ingress Protection</b>	Weatherproof, vandal resistant, with support for extra back reinforcing metal plate
<b>Mounting</b>	On-Wall, or In-Wall (Mount Kit required, sold separately)
<b>Dimensions (H x W x D) and Weight</b>	On-Wall: 173mm(H) x 80mm(W) x 36mm(D); In-Wall: 217mm(H) x 120mm(W) x 11.6mm(D) Weight: 0.625 kg
<b>Power Supply</b>	PoE IEEE 802.3af Class 3 or 12VDC/1A connection (AC power adapter not included)
<b>Temperature and Humidity</b>	Operation: -30°C to 60°C (-22°F to 140°F) Storage: -35°C to 60°C (-31°F to 140°F) Humidity: 10% to 90% Non-condensing
<b>Protection Class</b>	IP66 (EN60529); IK10 (IEC62262)
<b>Compliance</b>	CE,FCC,IC,RCM,UKCA