



GRANDSTREAM
CONNECTING THE WORLD



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

Video Compression	H.264 High Profile / Main Profile / Baseline Profile, Motion JPEG
Image Sensor Resolution	1/2.7", 2 Megapixel, 1920H x 1080V
Lens Type	1/2", F2.5, FOV:180°(W) x 150°(H)
Max Video Resolution	1920x1080
Max Frame Rate	30 frames per second
Wide Dynamic Range	Yes, up to 120dB
Video Bit Rates	128 Kbps to 4 Mbps, multi-rate for preview & recording
PoE	IEEE 802.3af Class3
Embedded Analytics	Motion detection (up to 4 privacy masks)
Snapshots	Triggered upon Events, Send via email and/or FTP
Multi-Stream Resolution	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
Network Protocol	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
SIP/VoIP Support	Broad interoperability with most 3rd party SIP/VoIP devices and leading SIP/NGN/IMS platforms
Voice Codecs	G.711μ/a-law, G.722, in-band and out-of-band DTMF (in audio, RFC2833, SIP INFO), AEC
QoS	Layer 2 QoS (802.1Q, 802.1P) and Layer 3 QoS (ToS, Diff Serv, MPLS)
Security	User and administrator level RTSP access, MD5 and MD5-sess based authentication, 256-bit AES encrypted configuration file, TLS, SRTP, HTTPS, 802.1Q
Upgrade/ Provisioning	Firmware upgrade via TFTP/HTTP/HTTPS, mass provisioning using TR-069 or AES encrypted XML configuration file
Audio Input	Built-in microphone, up to 1.5m with AEC
Audio Output	Built-in HD loudspeaker (2 watts), good up to 3 m
Button	1 call button with Blue LED backlight
Alarm Input	2 Optocoupler Input, Vin < 15V, for door sensor or other low voltage device
Alarm Output	2 Relay, 125VAC/0.5A or 30VDC/2A, Normal Open or Normal Close, for electric lock, light switch or other device
Network Interface	10M/100M auto-sensing
Ingress Protection	Weatherproof, vandal resistant, with support for extra back reinforcing metal plate
Mounting	On-Wall, or In-Wall (Mount Kit required, sold separately)
Dimensions (H x W x D) and Weight	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
Power Supply	PoE IEEE 802.3af Class 3 or 12VDC/1A connection (AC power adapter not included)
Temperature and Humidity	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
Protection Class	IP66 (EN60529); IK10 (IEC62262)
Compliance	CE,FCC,IC,RCM,UKCA