GDS3710

HD IP Video Door System

The GDS3710 is an IP Video Door System that also serves as a high-definition IP surveillance camera and IP intercom to offer facility access control and security monitoring for buildings of all sizes. This powerful IP Video Door System offers a 180-degree video viewing angle for wall-to-wall coverage, has a built-in RFID chip reader for secure keyless entry, includes a built-in microphone and speaker to support intercom functionality and offers alarm-in and alarm-out support for integration with existing security devices. The GDS3710 integrates with Grandstream's free management utility software, GDS Manager, allowing RFID card information, video feeds as well as the device itself to be fully managed by this software. Powered by an advanced Image Sensor Processor (ISP) and state-of-the art image algorithms, the GDS3710 delivers 1080p FHD video resolutions and offers exceptional performance in all lighting conditions. It features SIP/VoIP technology with 2-way audio and video streaming feeds loaded directly to smart phones, SIP endpoints and the GDS management software. The GDS3710 is equipped with integrated PoE for seamless installation, bright LEDs for illumination, motion detector for security protection, lighting control switch and more. The combination of the GDS3710, Grandstream's GXP21xx IP phones, GXV video phones, GS-Wave mobile app, and GVR350x NVR products provide a complete end-to-end solution for access control, video intercom, and security recording needs.

Powerful video resolutions up to 1080p

Built-in RFID chip reader for keyless entry

SIP video streaming to NVRs, 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 / Base 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)
Day & Night	White LEDs with smart brightness control
Max Video Resolution	1920x1080
Max Frame Rate	30 frames per second
Minimum Illumination	0.5Lux
Wide Dynamic Range	Yes, up to 120db
Video Bit Rates	32 Kbps to 8 Mbps, multi-rate for preview & recording
Embedded Analytics	Motion detection
Snapshots	Triggered upon events, sent 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 (pending), ARP/RARP, ICMP, DNS (A record, SRV, NAPTR), 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, DiffServ, MPLS)
Security	User and administrator level access control (pending), MD5 and MD5-sess based authentication, 256-bit AES encrypted configuration file, TLS, SRTP, HTTPS, 802.1x media access control
Upgrade/ Provisioning	Firmware upgrade via TFTP/HTTP/HTTPS, mass provisioning using TR-069 (Pending) or AES encrypted XML configuration file
Audio Input	Built-in microphone, up to 1.5m with AEC
Audio Output	Built-in HD loudspeaker, sound quality suitable for up to 3 m
Button	12-key touchpad plus a capacitive doorbell button, each with individual LED illumination
RFID	125KHz: EM4100 (1 RFID card and 1 RFID key fob included)
Alarm Input	Yes, 2 channels, Vin < 15V, for door sensor or other devices
Alarm Output	Yes, 2 channels, 125VAC/0.5A, 30VDC/2A, Normal Open or Normal Close, for electric lock, light switch or other devices
Network Interface	10M/100M auto-sensing
Expansion Interface	RS485, Wiegand input and output
Dimensions (H x W x D) and Weight	173mm(H) x 80mm(W) x 36mm(D) 06.Kg
Power Supply	PoE IEEE 802.3af Class 3, or 12VDC/1A connection (AC power adapter not included)
Interoperability	ONVIF (Profile S) (pending)
Ingress Protection	Weather proof, vandal resistant, with support for extra back reinforcing metal plate
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), IK09 (IEC62262)
Compliance	**FCC:** Part 15 subpart B Class B; Part 15 C; MPE **CE:** EN 55032 Class B; EN 61000-3-2; EN 61000-3-3; EN 50130; EN 60950-1; EN 300330; EN 301489; EN 62311 **RCM:** AS/NZS CISPR 22; AS/NZS 4268; AS/NZS 60950.1 **IC:** ICES-003; RSS310