



## HD IP Video Door System

### GDS3710

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 with HTTP API for 3rd party redevelopment. 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

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| <b>Video Compression</b>                 | H.264 High Profile / Main Profile / Base 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>Day &amp; Night</b>                   | White LEDs with smart brightness control  |
| <b>Max Video Resolution</b>              | 1920x1080   |
| <b>Max Frame Rate</b>                    | 30 frames per second  |
| <b>Minimum Illumination</b>              | 0.5Lux  |
| <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>Embedded Analytics</b>                | Motion detection (up to 4 privacy masks)  |
| <b>Snapshots</b>                         | Triggered upon events, sent via email and/or FTP  |
| <b>Multi-Stream Resolution</b>           | High-performance streaming server allowing multiple simultaneous access<br><b>Primary video stream:</b> 1920 x 1080 resolution for continuous full HD recording<br><b>Secondary video stream:</b> 1280 x 720 resolution for SIP/VoIP video calls<br><b>Third video stream:</b> 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 (pending), 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.711µ/a-law, G.722, DTMF (RFC2833, SIP INFO), AEC  |
| <b>QoS</b>                               | Layer 2 QoS (802.1Q, 802.1P) and Layer 3 QoS (ToS, DiffServ, MPLS)  |
| <b>Security</b>                          | User and administrator level access control (pending), 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 (Pending) 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), sound quality suitable for up to 3 m   |
| <b>Button</b>                            | 12-key touchpad plus a capacitive doorbell button, each with individual LED illumination  |
| <b>RFID</b>                              | 125KHz: EM4100 (1 RFID card and 1 RFID key fob included)  |
| <b>RFID Number Supported</b>             | Up to 2,000 recommended   |
| <b>Alarm Input</b>                       | Yes, 2 channels, Vin < 15V, for door sensor or other devices  |
| <b>Alarm Output</b>                      | Yes, 2 channels, 125VAC/0.5A, 30VDC/2A, Normal Open or Normal Close, for electric lock, light switch or other devices   |
| <b>Network Interface</b>                 | 10M/100M auto-sensing   |
| <b>Expansion Interface</b>               | RS485, Wiegand (26 bits) input and output   |
| <b>Dimensions (H x W x D) and Weight</b> | 173mm(H) x 80mm(W) x 36mm(D)<br>0.6Kg   |
| <b>Power Supply</b>                      | PoE IEEE 802.3af Class 3, or 12VDC/1A connection (AC power adapter not included)  |
| <b>Interoperability</b>                  | ONVIF (Profile S)   |
| <b>Ingress Protection</b>                | Weather proof, vandal resistant, with support for extra back reinforcing metal plate  |
| <b>Temperature and Humidity</b>          | Operation: -30°C to 60°C (-22°F to 140°F)<br>Storage: -35°C to 60°C (-31°F to 140°F)<br>Humidity: 10% to 90% Non-condensing   |
| <b>Protection Class</b>                  | IP66 (EN60529), IK09 (IEC62262)   |
| <b>Compliance</b>                        | <b>FCC:</b> Part 15 subpart B Class B; Part 15 C; MPE<br><b>CE:</b> EN 55032 Class B; EN 61000-3-2; EN 61000-3-3; EN 50130; EN 60950-1; EN 300330; EN 301489; EN 62311<br><b>RCM:</b> AS/NZS CISPR 22; AS/NZS 4268; AS/NZS 60950.1<br><b>IC:</b> ICES-003; RSS310   |