

Grandstream GDS3712 Hemispheric IP Video Intercom System



Product Name: Grandstream GDS3712 Hemispheric IP Video Intercom System

Manufacturer: Grandstream

Model Number: GDS3712

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The Grandstream 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 Grandstream GDS3712 Key Features:

- 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 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

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.

Grandstream GDS3712 Technical Specifications:

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

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• 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, SFTP, 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-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-session 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

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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

Price: £168.20