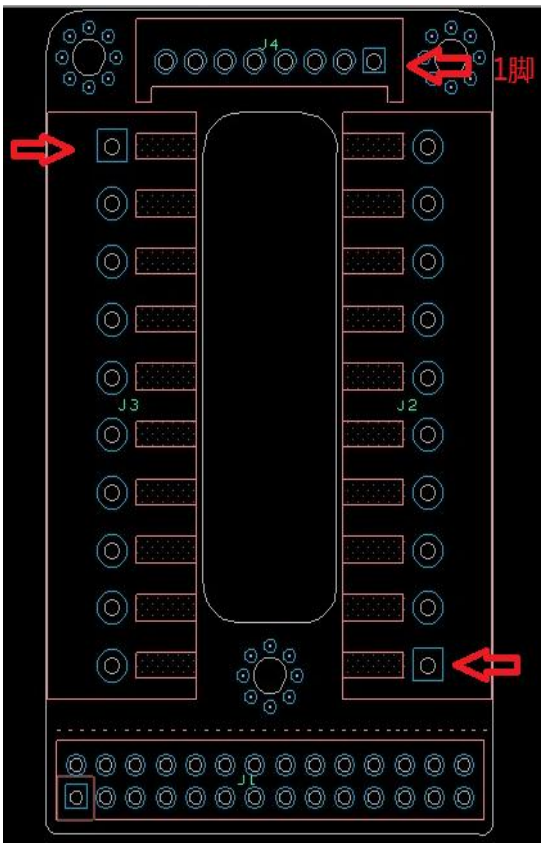
	GDS3710 Hemispheric HD IP Video Door Phone
	GDS3710 is a hemispheric IP video door phone and a high-definition IP surveillance camera – ideal for monitoring from wall to wall without blind spots. Powered by an advanced Image Sensor Processor (ISP) and state of the art image algorithms, it delivers exceptional performance in all lighting conditions. The GDS3710 IP video door phone features industry-leading SIP/VoIP for 2-way audio and video streaming to smart phones and SIP phones. It contains integrated PoE, LEDs, HD loudspeaker, RFID, motion detector, lighting control switch and more. Together with Grandstream videophone, mobile Apps, and Network Video Recorder (NVR), the GDS3710 provides a powerful recording and monitoring solution. The GDS3710 can 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.  
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 180°(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 (up to 8 target areas)
Privacy Mask Support	Yes (4 zones)
Pre-/Post-Alarm recording	Yes
Snapshots	Triggered upon Events, Send via email and/or FTP
Multi-Stream Resolution	High-performance streaming server allowing multiple simultaneous accesses **Primary video stream**: 1920*1080 resolution for continuous full HD recording **Secondary video stream**: 640*480 resolution for SIP/VoIP video calls **Third video stream**: 320*240 resolution for smartphone Apps

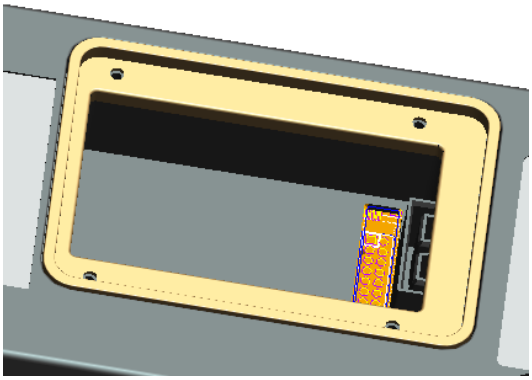
Network Protocol	TCP/IP/UDP, RTP/RTCP, HTTP/HTTPS, ARP/RARP, ICMP, DNS (A record, SRV, NAPTR), DHCP, PPPoE, SSH, SMTP, TFTP, NTP, STUN, SIMPLE, LLDP-MED, LDAP, 802.1x, TLS, SRTP
SIP/VoIP Support	Broad interoperability with most 3rd party SIP/VoIP devices and leading SIP/NGN/IMS platforms
Voice Codecs	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, 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 digital microphone, up to 1.5m with good AEC
Audio Output	Built-in HD loudspeaker, up to 3m with good loudness
Button	12-key touchpad plus a capacitive doorbell button, each with individual LED illumination
RFID	125KHz: ISO1 4223, ISO18000-2 (2 RFID cards included)
~~Motion Sensor~~	~~Yes, built-in Infrared tube with detection range of 0.5 m~~
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
Weight	0.6Kg
Package Content	Base unit, Ethernet cable, Quick Start Guide, Screwdriver
Dimensions (H x W x D)	173mm(H) x 80mm(W) x 36mm(D)
Power Supply	PoE IEEE 802.3af Class 3, or 12VDC/1A connection (AC power adapter not included)
Ingress Protection	Weather proof, vandal resistant, with support for extra back reinforcing metal plate
Temperature and Humidity	Operation: -30°C to 55°C (-22°F to 131°F) Storage: -35°C to 60°C (-31°F to 140°F) Humidity: 10% to 90% Non-condensing

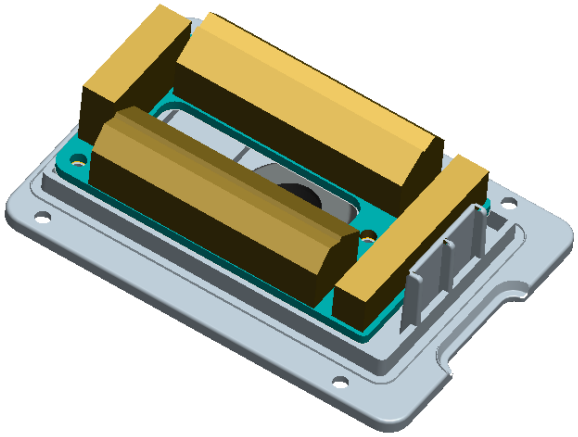
Appendix I: Cable Wiring on Rear Panel

Jack	Pin	Signal	Function
J2 (*basic*) 3.81mm	1	TX+	Ethernet, PoE
	2	TX-	
	3	RX+	
	4	RX-	
	5	POE_SP2	
	6	POE_SP1	
	7	RS485_B	RS485
	8	RS485_A	
	9	GND	Power Supply
	10	12V	
J3 (*advanced*) 3.81mm	1	GND	Alarm Ground
	2	ALARM1_IN+	Alarm In
	3	ALARM1_IN-	
	4	ALARM2_IN+	
	5	ALARM2_IN-	
	6	NO1	Alarm Out
	7	COM1	
	8	NO2	
	9	COM2	
	10	NC2	
J4 (*special*) 2.00mm	1	GND	Wiegand Out
	2	WG_D1_OUT	
	3	WG_D0_OUT	
	4	LED	Wiegand In
	5	WG_D1_IN	
	6	WG_D0_IN	
	7	BEEP	
	8	5V	Wiegand Power



Appendix II: Rear Panel Installations





EU Compliance Statement:
The device complies with EU EMF Directive 1999/519/EC can be used in the European Community.

"Hereby, (Grandstream Networks, Inc.), declares that this (Model:GDS3710) is in compliance with the essential requirements and other relevant provisions of Directive 1999/5/EC."

CE 1622

FCC Compliance Statement:
This device complies with part 15 of the FCC Rules. Operation is subject to the following two conditions:(1)This device may not cause harmful interference, and (2) this device must accept any interference received, including interference that may cause undesired operation.
Important: Any Changes or modifications not expressly approved by the party responsible for compliance could void the user's authority to operate the equipment.

Note: This equipment has been tested and found to comply with the limits for a Class B digital device, pursuant to part 15 of the FCC Rules.
These limits are designed to provide reasonable protection against harmful interference in a residential installation. This equipment generates, uses and can radiate radio frequency energy and, if not installed and used in accordance with the instructions, may cause harmful interference to radio communications. However, there is no guarantee that interference will not occur in a particular installation.
If this equipment does cause harmful interference to radio or television reception, which can be determined by turning the equipment off and on, the user is encouraged to try to correct the interference by one or more of the following measures:
-Reorient or relocate the receiving antenna.
-Increase the separation between the equipment and receiver.
-Connect the equipment into an outlet on a circuit different from that to which the receiver is connected.
-Consult the dealer or an experienced radio/TV technician for help.

RF Exposure:
This equipment complies with FCC's and Europe's RF radiation exposure limits set forth for an uncontrolled environment. The antenna(s) used for this transmitter must be installed and operated to provide a separation distance of at least 20 cm from all persons and must not be collocated or operating in conjunction with any other antenna or transmitter. Installers must ensure that 20cm separation distance will be maintained between the device (excluding its handset) and users.