720p SIP Vandalproof Door Phone with PoE

Security is Ensured with PLANET Video Door Phone

PLANET HDP-1160PT Vandalproof Video Door Phone is designed for homes and other purposes that need a visitor's identification for the sake of security. With its high-quality audio and video, the identification and voice of the visitor can be clearly seen and heard once the visitor press the call button of the door phone. The HDP-1160PT works like an intercom. As its name implies, it is vandalproof and has a video feature.

It supports the standard IETF SIP protocol and ONVIF protocol for easy operation and interfaces with the VoIP and IP surveillance world in an instant it connects you with. It delivers excellent picture quality in 720p HD resolutions with 112-degree wide angle. The door phone has infrared night vision that can capture any unusual activity in low light. It also supports HD voice and G.722 codec that relax bandwidth limitation and provide clear communications. It provides the flexibility and control required for high-quality visitor management, property protection, intercom, and message service.

Easy Communication via Intercom

The two-way intercom function provided by the HDP-1160PT allows you to see the visitors and also communicate with them. The HDP-1160PT includes 2 short-in detect port and 2 short-out control port for connecting with external devices such as door lock or door sensors. When the visitors press the call button at your door, you can press the unlock button on your mobile phone or PLANET VTS-700P 7-inch SIP Indoor Touch Screen PoE Video Intercom to open the door for your visitors.

Benefits

- 112-degree wide-angle HD camera with infrared light and night vision
- HD voice using wideband G.722 coding produces clearer sound
- Secure communication with TLS & Secure RTP (SRTP)
- Access Control with the electric lock (Built-in 2 short-in/out)
- IP65- and IK10-rated designed for rigorous environment
- Compatible with the Asterisk IP PBX system that can run on SIP/ONVIF and other platforms

Intercom Functions

- 2 SIP identities/accounts for Intercom
- Intelligent DSS Keys for one-touch speed dial, hotline
- Full-duplex handsfree and auto answer.
- Action URL/Active URI and dynamic multicast function
- Supports customized DSS keys

Hardware

- HD voice speech quality with built-in 3W speaker and Acoustic Echo Canceller (AEC)
- Two IR LEDs provide clear image in low light condition
- Built-in 2 short-in detect port and 2 short-out control port
- Industrial design with -40 to 70 degrees C operating temperature
- Alarm will go off once the cover is separated from the housing; at the same time the owner is being alerted.

Video and Audio

- Maximum resolution 1280 x 720 @ 25 fps
- Acoustic Echo Cancellation (AEC) is featured on speaker path
- Adjustable brightness, contrast and volume settings
- HD voice using wideband G.722 coding produces clearer sound

A Door Guard for Extreme Conditions

The HDP-1160PT is an extremely durable IP intercom that can withstand even the most demanding conditions. Its Industrial design with -40 to 70 degrees C operating temperature and resilience to dust, water (IP65) and vandalism (IK10) to ensure maximum security.
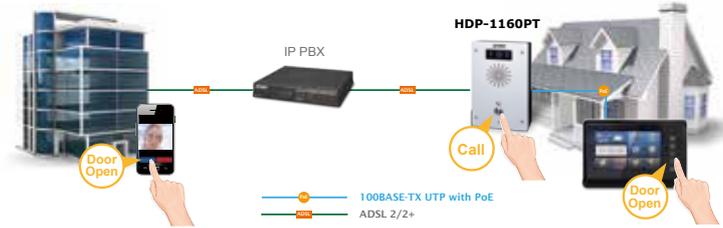
Network and Configuration

- Standard IETF SIP protocol for VoIP services
- Compatible with the ONVIF for video surveillance
- Compliant with IEEE 802.3af/at PoE interface for flexible deployment
- 802.1x, HTTPS, TR069 and auto-provisioning

Easy Installation and Management

- Hands-free intercommunication
- Conveniently unlock the door for visitors without having to go to it
- Have peace of mind from being able to see, hear and speak to your visitors before opening the door

Acoustic Echo Cancellation

Acoustic Echo Cancellation (AEC) technology is adopted in PLANET's HDP1160PT Door Phone and VTS-700P 7-inch SIP Indoor Touch Screen PoE Video Intercom to enable users to minimize the voice/sound signal distortion shown in the diagram below, thus guaranteeing the best-in-class sound quality.
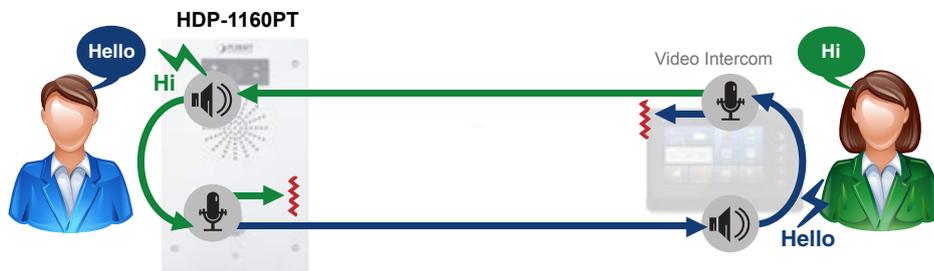
Standard Protocol Compliance

The HDP-1160PT supports IETF Session Initiation Protocol 2.0 (RFC 3261) and ONVIF protocol for easy integration with general voice over IP system and video management system. The IP PBX/NVR device is able to broadly interoperate with equipment provided by VoIP/IP surveillance infrastructure providers, thus enabling them to provide their customers with better multimedia exchange services.
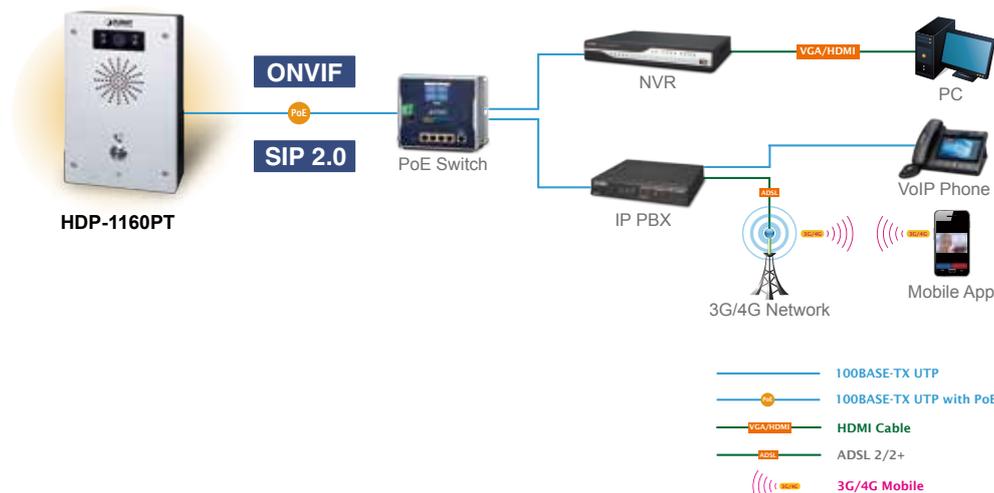
Applications

The HDP-1160PT supports 802.3af/at PoE interface without worrying the electric source. It supports two-way voice communication and remote door release function, which is applicable via any iOS and Android mobile phone, and the VTS-700P touch screen control pad. With the Wi-Fi/3G/4G connection, intercom and door release can all be remotely controlled by your smart phone or tablet no matter where your location is, even you are away from home.

Additionally, the HDP-1160PT has an excellent interoperability using SIP standard VoIP signaling feature by interworking with IP PBX services and video phone.
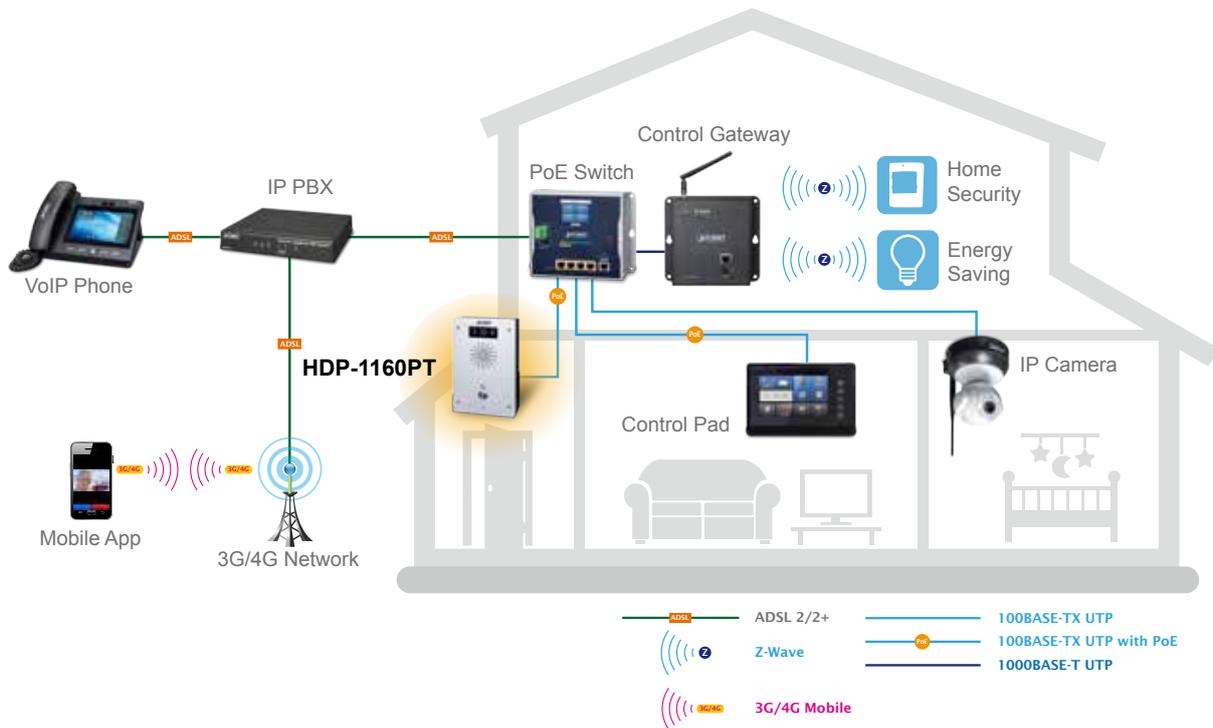
Specifications

Product	HDP-1160PT
Video	
Image device	2 megapixels with 1/2.7" color CMOS
Video Compression	H.264
Resolution	Main stream: 1280 x 720 @25fps Sub stream: 704 x 576 (D1) @25fps
Viewing angle	112° (H), 84° (V)
Minimum illumination	0.1Lux, support for infrared illumination
IR Illuminations	IR LED x 2, effective up to 5 meters *The IR distance is based on the environment.
Audio	
Audio Streaming	Two-way audio
Microphone	Built-in microphone and speaker input
Narrowband Codec	G.711a/u, G.723.1, G.726-32K, G.729AB Wideband Codec: G.722
DTMF	In-band, Out of Band DTMF (RFC2833) and SIP INFO
Audio Output	Full-duplex Acoustic Echo Canceller (AEC) – Hands-free Mode, 96ms tail-length
Audio Features	Voice Activity Detection (VAD) Comfort Noise Generation (CNG) Background Noise Estimation (BNE) Packet Loss Concealment (PLC) Dynamic Adaptive Litter Buffer up to 300ms
Protocol and Security	
Protocols	IETF SIP (RFC 3261 and companion RFCs), SIP2.0 over UDP/TCP/TLS, RTP/RTCP/SRTP, STUN, DHCP, LLDP, PPPoE, 802.1x, L2TP, OpenVPN, SNTP, FTP/TFTP, HTTP/HTTPS and TR-069
Security	Network access authority authentication: 802.1x Web Filter, Transport Layer Security (TLS) Secure Real-time Transport Protocol (SRTP) NAT traversal: STUN mode HTTP/HTTPS web server, HTTPS certificate manager
Network and Provisioning	
Network Interface	1 x 10/100BASE-TX RJ45 Ethernet interface, auto-MDIX
IP Configuration	Static/DHCP/PPPoE
VPN	L2TP / OpenVPN
Deployment/Maintenance	Auto-provisioning via FTP/TFTP/HTTP/HTTPS/DHCP OPT66/SIP PnP/TR-069 Web Management Portal Web-based Packet Dump Configuration Import and Export Firmware Upgrade Syslog
General	
Keypad	1 DSS button (speed dial button)
Power Requirements	Power over Ethernet (IEEE 802.3af/at), class 2 and DC12V
Net Weight	1015g
Dimensions (W x D x H)	195 x 120 x 34 mm
Emission	CE, FCC
Connectors	1 10/100Mbps Ethernet, RJ45 1 audio output interface 1 recording output interface 2 short-circuit input interfaces 2 relays: Max. DC 30V,1A; AC 125V,0.5A 2 indoor magnetic switches 1 Tamperproof protection/ alarm Active switching output: DC 12V, 500mA (only 1 relay support)
Installation	Wall-mount type
External Power Supply	DC 12V, 1A
Environments	
Storage Temperature	-40~70°C
Operating Humidity	10~90%

Ordering Information

HDP-1160PT	720p SIP Vandalproof Door Phone with PoE

Related Products

HDP-5240PT	720p SIP Multi-unit Video Door Phone with RFID and PoE
HDP-5260PT	720p SIP Multi-unit Apartment Vandalproof Door Phone with RFID and PoE
VTS-700P	7-inch SIP Indoor Touch Screen PoE Video Intercom
HAC-1000	Z-Wave Home Automation Control Gateway
WGS-804HP	8-Port 10/100/1000T Wall-mounted Gigabit Ethernet Switch with 4-Port PoE+
WGR-500-4PV	Industrial Wall-mount Gigabit Router with 4-Port 802.3at PoE+ and LCD Touch Screen
IPX-2100	Internet Telephony PBX System
IPX-2200	Internet Telephony PBX system
IPX-2500	Internet Telephony PBX System
ICF-1800	HD Touch Screen Android Multimedia Conference Phone
HZS-100E	Z-Wave Wall-mount Motion Sensor (ETSI-868.42MHz)
HZS-100A	Z-Wave Wall-mount Motion Sensor (FCC-908.42MHz)
HZS-200E	Z-Wave Ceiling-mount Smoke Detector (ETSI-868.42MHz)
HZS-200A	Z-Wave Ceiling-mount Smoke Detector (FCC-908.42MHz)
HZS-300E	Z-Wave 4-in-1 Multi Sensor (ETSI-868.42MHz)
HZS-300A	Z-Wave 4-in-1 Multi Sensor (FCC-908.42MHz)
HZS-532E-DE	Z-Wave Smart Energy Meter (ETSI-868.42MHz)
HZS-531A-US	Z-Wave Smart Energy Meter (FCC-908.42MHz)
FGSD-1008HPS	8-Port 10/100TX 802.3at PoE + 2-Port Gigabit TP/ SFP Combo Web Smart Switch
FSD-504HP	4-Port 10/100Mbps 802.3af/at PoE + 1-Port 10/100Mbps Desktop Switch (60 watts)
GS-4210-8P2S	8-Port 10/100/1000T 802.3at PoE + 2-Port 100/1000X SFP Managed Switch