

Product Specifications

720p SIP Multi-unit Apartment Vandalproof Door Phone with RFID and PoE

HDP-5260PT

Release 1.0

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Change History:

Revision	Date	Author	Change List
Version 1.0	2016/07/25	Ines Chen	Initial release

Author	Ines Chen	Editor:	Ines Chen
Reviewed by:	Jonas	Approved by:	Kent

1. PRODUCT DESCRIPTION



Security is Ensured with PLANET Video Door Phone

PLANET HDP-5260PT is a SIP Door Phone with PoE feature. It supports H.264/H.263 compression format and delivers excellent picture quality in 720p HD resolutions at 10~30 frames per second (fps). The door phone has night vision that can capture any unusual activity in low light. It also supports HD (High Definition) voice and G.722 codec that relax bandwidth limitation and provide clear communications. It provides the flexibility and control required for high-quality property complex visitor management, property protection, intercom, and message service.

Keyless Control and Convenience

PLANET HDP-5260PT advancements in residential door lock security have been enhanced with secure authentication technology which supports many ways of opening door without a key. The door not only can be open via an RFID card but also a password if it is an electronic door lock. Thus, you can enter your home without having to use a key.

SIP 2.0 Standard Compliance

The HDP-5260PT supports Session Initiation Protocol 2.0 (RFC 3261) for easy integration with general voice over IP system. The IP phone is able to broadly interoperate with equipment provided by VoIP infrastructure providers, thus enabling them to provide their customers with better multimedia exchange services.

A Door Guard for Extreme Conditions

The HDP-5260PT comes with a robust door intercom for apartment complexes to ensure maximum resilience and security. Its camera with night vision and resilience to dust, water (IP65) and vandalism (IK10) is watchful, making sure the area remains safe.

AEC (Acoustic Echo Cancellation)

Acoustic Echo Cancellation (AEC) technology is adopted in PLANET's HDP-5260PT Door Phone and HTS-1000P Touch Screen Control Pad to enable users to minimize the voice/sound signal distortion shown in the diagram below, thus guaranteeing the best-in-class sound quality.

Finding the Door Phone via Planet Search Tool

PLANET Search Tool is a simple, freely-available application for locating intercoms from the IP family in the network. After searching the network, the application shows the device name, firmware version and IP address of all intercoms found on a chart. This simplifies the administration and installation of intercom systems. Simply run the easy-to-use software to get immediate results.

2. PRODUCT FEATURES

➤ **Benefits**

- Provides **Anti-tamper & Advanced** Protection
- See/Talk visitors with **High Definition** Video & Voice
- Unlock the door with an **RFID, Remote DTMF** or **Local Password**
- Control **Communication** and **Security** over Internet

➤ **Hardware**

- HD camera with infrared light and night vision
- Three IR LEDs provide clear image in low light condition
- IP65- and IK10-rating for rigorous environment
- Wall-mount design for outdoor unit
- Tamperproof protection - Alarm will sound when cover is removed from the housing
- Supports several ways of opening door
- Industrial design with -40 to 70 degrees C operating temperature

➤ **Video and Audio**

- Maximum resolution 1280 x 720 @ 30 fps
- Acoustic Echo Cancellation (AEC) is featured on speaker path
- Adjustable brightness, contrast and volume settings
- Full-duplex noise reduction and voice recognition are possible in distance of up to 5 meters
- HD voice using wideband G.722 coding produces clearer sound
- Barge-in and calls can be switched automatically

➤ **Network and Configuration**

- Standard IETF SIP protocol
- Compatible with the Asterisk IP PBX systems or various platforms
- Compliant with IEEE 802.3af PoE interface for flexible deployment
- VPN, VLAN, QoS, 802.1x, HTTPS, TR069 and auto-provisioning

➤ **Easy Installation and Management**

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

3. PRODUCT SPECIFICATIONS

3.1 Component Specifications

Chipset	Freescale quad cores 1GHz CPU
SDRAM	1GB DDR3
Flash	4GB

3.2 Functional Specifications

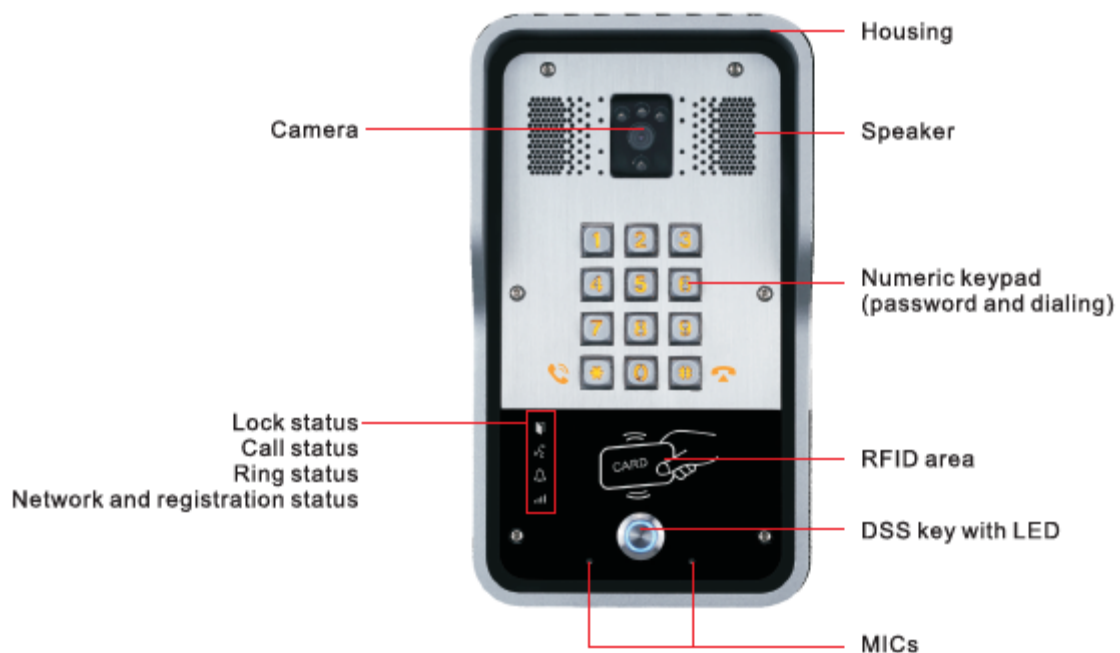
Product	HDP-5260PT
Camera	
Image Device	1280 x 760, CMOS
Video Codec	H.264/H.263
Image Codec	JPEG/PNG/BMP/GIF
Video Format	MP4/3GP/FLV
Monitoring Range	5 meters
LED	White LED x 3, effective up to 5 meters
Video	
Video Codec	H.264/H.263
Image Codec	JPEG/PNG/BMP/GIF
Video Format	MP4/3GP/FLV
Frame Rate	10~30fps
Audio	
Audio Streaming	Two-way audio
Narrowband Codec	G.711a/u, G.723.1, G.726-32K, G.729AB, iLBC, AMR
Microphone	Built-in microphone and speaker input
Audio Output	Acoustic Echo Cancellation
DTMF	In-band, Out-of-Band (RFC2833), SIP info
Omnidirectional Pickup	Pickup distance of 5m
Network and Configuration	
Network Standard	802.3af PoE
Network Interface	1 x 10/100/1000BASE-T RJ45 Ethernet interface, auto-MDIX
IP Configuration	Static/DHCP/PPPoE
Network Access Control	802.1x
VPN	L2TP/PPTP/IPSec
VLAN	802.1p/q
QoS	DSCP
Protocol	IETF SIP 2.0 over UDP/TCP/TLS RTP/RTCP/SRTP STUN OpenVPN SNTP FTP/TFTP HTTP/HTTPS

	TR069
Functions	Intercom, RFID card, call log, open door log, programmable DSS key, network time synchronization, speed dial, auto-answering, hotline
General	
Keypad	13 keys, including 12 standard phone digits keys 1 hands-free key or DSS keys (speed dial)
Power Requirements	802.3af, Class 3
Net Weight	1.52kg
Dimensions (W x D x H)	223 x 130 x 74 mm
Emission	CE, FCC
Connectors	10/100Mbps Ethernet, RJ45 Call Button Relay Output Port (control door lock or alarm) DI Port (for door sensor, PIR, emergency button)
Installation	Wall-mount type
External Power Supply	12V±15%/1A DC
Environments	
Storage Temperature	-40~70°C
Operating Humidity	10~90%

3.3 Physical Specifications

Product Dimensions (W x D x H)	223 x 130 x 74 mm
Net Weight	1.52kg

➤ **Rear Panel**







Interface	Description
Wall-mount Housing	IP65 and IK10 outdoor housing for rigorous environment.
CMOS Sensor	The door phone has a built-in IP camera supporting a high-resolution video of up to 1280 x 720 pixels.
Speaker	The door phone has a built-in speaker for convenient communication and alert use.
Mics	The door phone has a built-in microphone hidden in the pinhole located on the front panel.
RFID Reader	Use RFID cards to unlock the door by touching RFID reader of device.

Button Definition

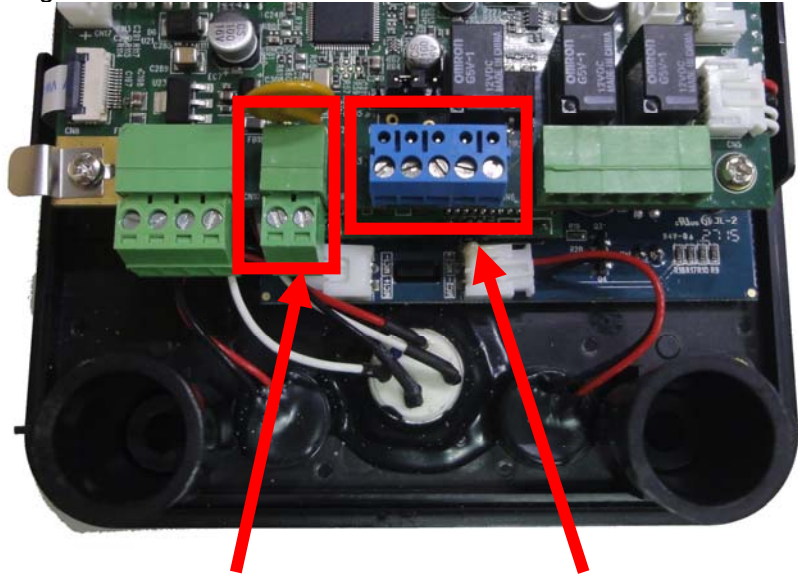
Button	Description
DSS Key	Press the Direct Station Selection key to check who the caller is before opening the doors, or talking to him/her.
Numeric Keyboard	Input password to open the door or calls.

LED Definition

LED	Status	Description
 Lock	Steady Blue	Door unlocking
	Off	Door locking
 Call	Off	On Hook
	Blinking Blue	Call Hold – Blinks per second
	Steady Blue	Online talking
 Ring	Off	Standby
	Steady Blue	Ringling
 Network & SIP Registration	Off	Network ready
	Blinking Blue	Network error – Blinks per second
	Slow Blue	Registration failed – Blinks every 3 seconds
	Steady Blue	Registration succeeded

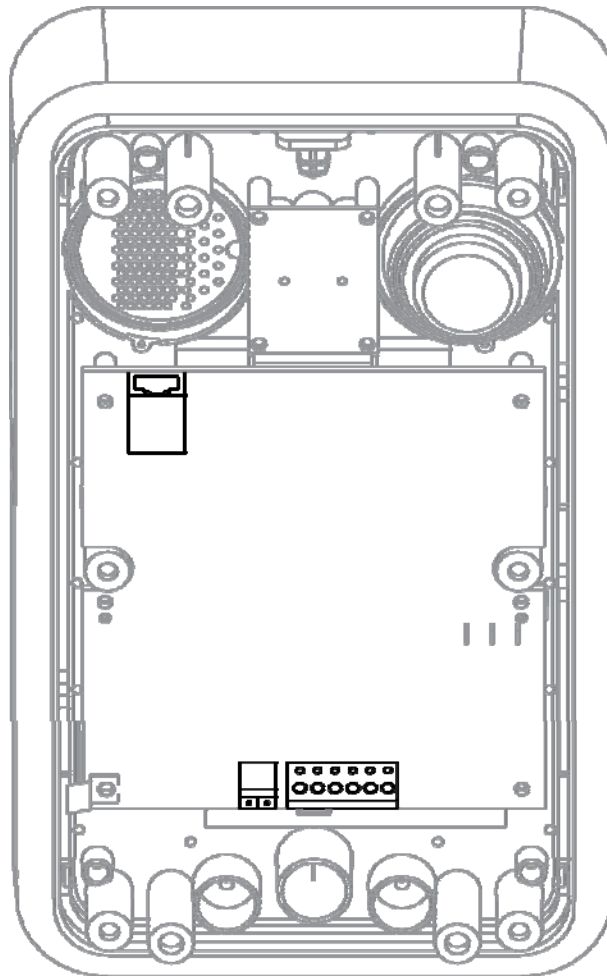
➤ **I/O Control Instruction**

After removing the front panel of the HDP-5260PT, there are two terminal block connectors for power connection and digital I/O connections as shown below:



Power Connector

Electric-lock Connector



Power Connector

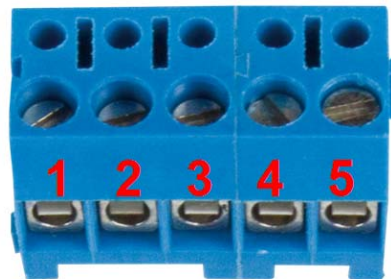
The HDP-5260PT requires either IEEE 802.3af/at PoE or DC power from the power connector. The picture shows the two-pin connector comes with system power source of 12V DC, 1A (maximum for the two-pin connector).



1	2
+12V DC	GND

Power Connector

Electric-lock Connector



1	2	3	4	5
S_IN	S_OUT	NC	COM	NO
Indoor switch		Electric-lock switch		

Electric-lock Connector

3.4 Environmental Specifications

Temperature

Operating	-10 ~ 45 degrees C
Storage	-10 ~ 50 degrees C

Operating Humidity

Operating	0 ~ 90% (non-condensing)
Storage	0 ~ 90% (non-condensing)

3.5 Electrical Specification

Device Input Voltage	PoE Class 3 (IEEE 802.3af)
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3.6 Regulatory Compliance

CE, FCC,

3.7 Reliability

MTBF> 50,000hrs @ 25 degrees C

3.8 Basic Packaging

- 1 x HDP-5260PT
- 1 x Quick Installation Guide
- 1 x Mounting Label
- 1 x Screw Kit
- 1 x Connectors and Wrench
- 3 x RFID Card

3.9 Package Information

Dimensions (W x D x H)	310 x 175 x 115 mm
Gross Weight	1.85kg
Carton Dimensions (W x D x H)	370 x 370 x 330 mm
Carton Weight	12.55kg
Carton Unit	6 pcs in one carton

APPENDIX A: Default Setting

Default DHCP Client	On
Default IP Address	172.16.0.1
Default Login User Name	admin
Default Login Password	admin
Search Tools	PlanetDoorPhoneFinder
Displaying IP Address	Hold the # key for 3 seconds to display IP address by voice