

AddPac IP Video Door Phone



External AMP. Speaker Interworking
for Noisy Environment

AddPac

AddPac Technology

Sales and Marketing

www.addpac.com

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Product Overview

AP-VAC50 IP Video Door Phone

- High Performance IP Video Door Phone Solution
- Video Camera, TFT Color LCD, Internal MIC & Speaker
- One Touch Dial Key for Simple Point-to-Point IP Intercom Connection
- High Quality 2.4 Inch LCD, 320 x 240 Video Resolution
- SIP VoIP Signaling Stack Embedded
- High-performance Video/Voice Codec Support
 - H.264/MPEG4, G.711, etc
- One(1) 10/100Mbps Fast Ethernet
- PoE(Power over Ethernet) Support
- High Quality Speaker Phone Features
- Powerful Acoustic Echo Canceller Chip Embedded
- Powerful Network Protocols (PPPoE, DHCP, Static Routing, etc)
- Firmware Upgradeable Architecture
- Advanced Voice QoS Mechanism
- Die-casting Frame Chassis : Option*

Hardware Specification

AP-VAC50 IP Video Door Phone

RISC
CPU

High-end
DSP

- RISC+DSP Microprocessor Computing Power
- Audio and Voice Interface
 - Internal MIC
 - Internal Speaker
 - Option : 3 x 4 key PAD or Single One Touch Dial Button
- Video Camera Interface
- TFT Color LCD Interface
 - 2.4 Inch LCD, 320 x 240 Video Resolution
- Network Interface
 - One(1) 10/100Mbps Fast Ethernet
- RF Card Interface
- Alarm & Relay Out Interface (door open, etc)
- RS232/RS485 Interface
- **External RCA Audio Line Out and MIC In (back side)**
- Power Supply
 - Power over Ethernet (Option)
 - External Power Supply

Hardware Specification

AP-VAC50 IP Video Door Phone

RISC
CPU

High-end
DSP

- **Acoustic Echo Canceller**
 - Full-duplex operation during double-talk situations
 - One channel AEC, one channel LEC up to 256ms shared
 - Cancels echoes with up to 10dB echo return
 - Advanced noise reduction(up to 20dB)
- **Speaker**
 - Impedance : 8 +-15%ohm at 1kHz, 1.0 Vrms
 - Sound Pressure : 90 +- 3dB at 0.1W/10 CM
at 800Hz, 1.0kHz, 1.2kHz, 1.5kHz
 - Resonance Level : 550Hz +- 20%Hz at Fo Hz, 1.0Vrms
 - Frequency Range : Fo Hz ~20kHz
 - Input Power : Normal : 1.0 W, Max : 2.0W
- **Audio Amplifier**
 - 1-W BTL Output(5V, 0.11 % THD+N)
 - Uncompensated Gains of 2 to 20 (BTL Mode)
 - Thermal and Shot-circuit Protection
 - High Supply Ripple Rejection Ratio
- **PoE(Power over Ethernet)**
 - IEEE802.3af compliant
 - Input voltage range 36V to 57V
 - Short-circuit Protection

Hardware Specification

AP-VAC50 IP Video Door Phone

RISC
CPU

High-end
DSP

- **LCD Controller**
 - One-Chip Solution for amorphous TFT-LCD
 - Support resolution up to 240xRGBx320
 - Built-in 172800 bytes internal RAM
 - 6,8,16, and 18-bit RGB Interface
 - Resize Function (x ½, x ¼)
 - On-Chip Power Management System
- **Camera**
 - High Sensitivity for low-light operation
 - Output support for Raw RGB, RGB, and YCrCb format
 - Image Size : VGA, QVGA, and any size scaling down from CIF to 40x30
 - Support AEC, AGC,AWB, ABF, ABLC
 - Saturation Level, Edge Enhancement Level, De-noise level Auto adjust

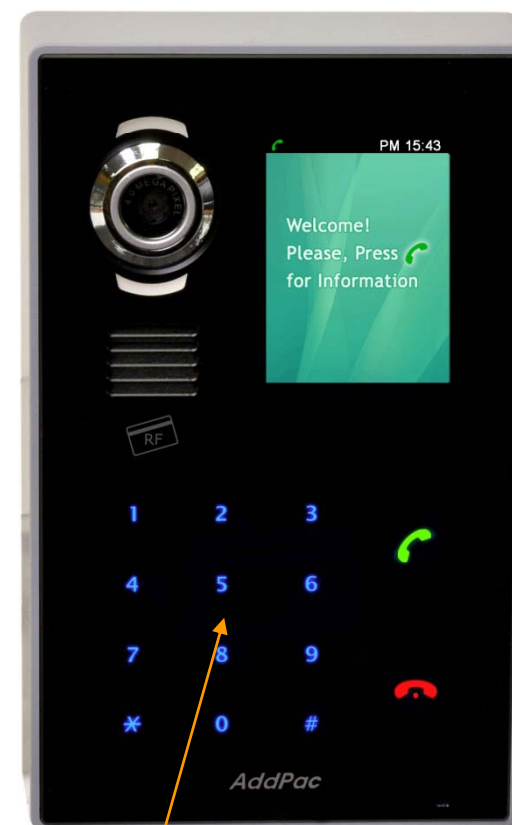
Hardware Specification

AP-VAC50 IP Video Door Phone

RISC
CPU

High-end
DSP

- RF Card Sensor
 - Protocol Supported
 - ISO14443A/B all bit rates
 - > 106,212,424 and 848 kbps
 - Compatible to MiFare Classic
 - ISO15693 all modes
 - > 1.65/6.6 & 26.5 kbps
 - > Uplink 1 & 2 sub-carrier
 - Receiver
 - Rx Sensitivity down to 1mVrms
 - Rx Automatic Gain Control
 - Accept external baseband signal from external circuitry for frame level processing
 - Integrated signal strength indicator (SSI)
 - On-Chip Framing handler for supported standard
 - Transmitter
 - Typical proximity operating distance up to 100mm.
 - Software configurable modulation index
 - Maximum driving current up to 200 mA/PIN @ 5V
 - Accept external baseband signal for RF modulation
 - Wide Transmitter driver supply range from 2.7~7.0V

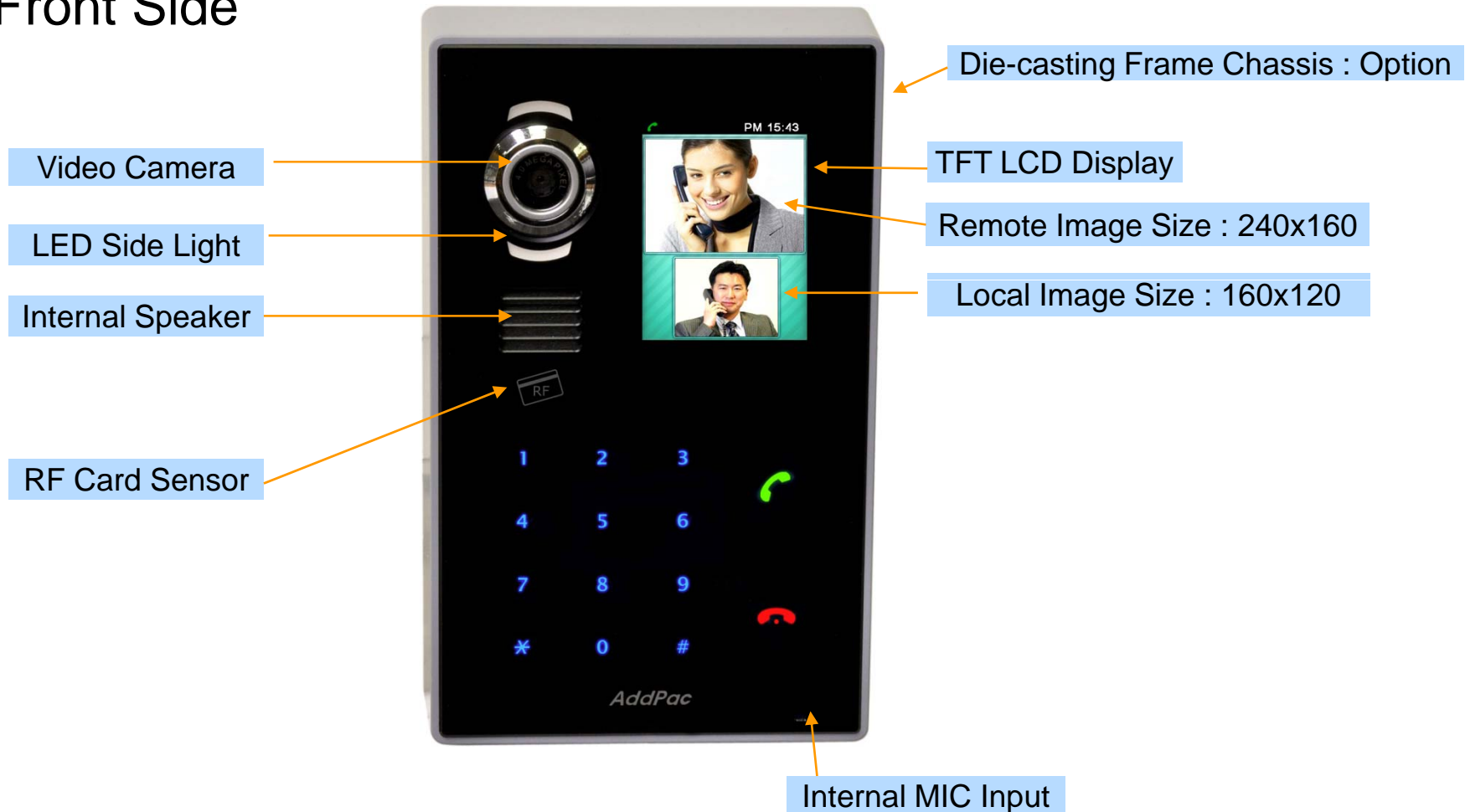


RF Card Sensor

Hardware Specification

AP-VAC50 IP Video Door Phone

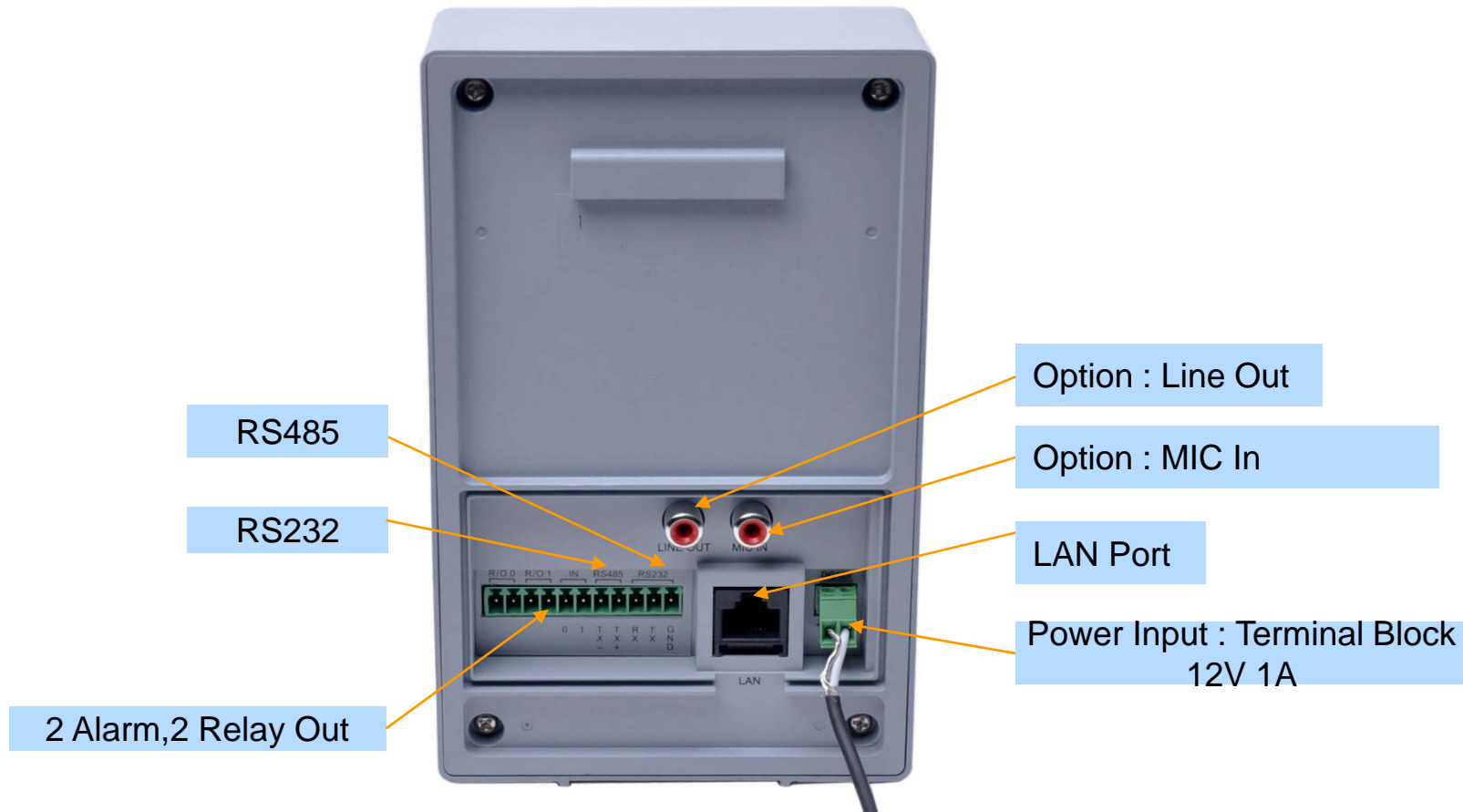
Front Side



Hardware Specification

AP-VAC50 IP Video Door Phone

Back Side



External AMP. Speaker Connection



Front Side

External AMP. Speaker Connection



Back Side

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Smart Web Configuration for External Line Out Speaker Connection

Smart Web Manager
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System

- Language
- LAN Setup
- System Time
- Display Manager
- File Browser

Call & Media

- Server SIP
- Speed Dial
- Group Dial
- VLC Configuration
- Media**
- Simultaneous Call

Door Access Control

- Service Control
- Indoor Open Control
- User List
- Card List
- Card Registration
- Log

Miscellaneous

- Ping
- Device Control
- Alarm Setting
- Service

Media

Camera

Brightness: + (default 0, between 0-127)

Contrast: + (default 32, between 0-127)

Exposure: + (default 8, between 0-8)

Flicker: 50 HZ 60 HZ(default)

Audio Gain

Input: + (default 15, between 0-31)

Output: + (default 58, between 0-63)

Ring: + (default 38, between 0-63)

DTMF digit: + (default 3, between 0-63)

Tone: + (default 10, between 0-63)

Audio I/O

Input: Mic Line

Output: Both Speaker Line

Video Display

Mute: Enable Disable

Auto Answer

Time: (in seconds, default 0, between 1-30, 0 = disable)

Information

AddPac Technology
Model : VAC50_G2
Type : Server-Client
DACS Registration : Fail
SIP : 172.17.205.221(5060)
SIP Registration : Fail

Description

Change media device setup information.

1. Internal Speaker + Line Out
2. Internal Speaker Only
3. Line Out Only



Thank you!

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