

AddPac IP Video Door Phone



External AMP. Speaker Interworking
for Noisy Environment

AddPac

AddPac Technology

2014, Sales and Marketing

www.addpac.com

Contents

- Product Overview
- Hardware Specification
- External AMP. Speaker Connection Diagram
- Smart Web Configuration for External Line-Out Speaker Connection

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

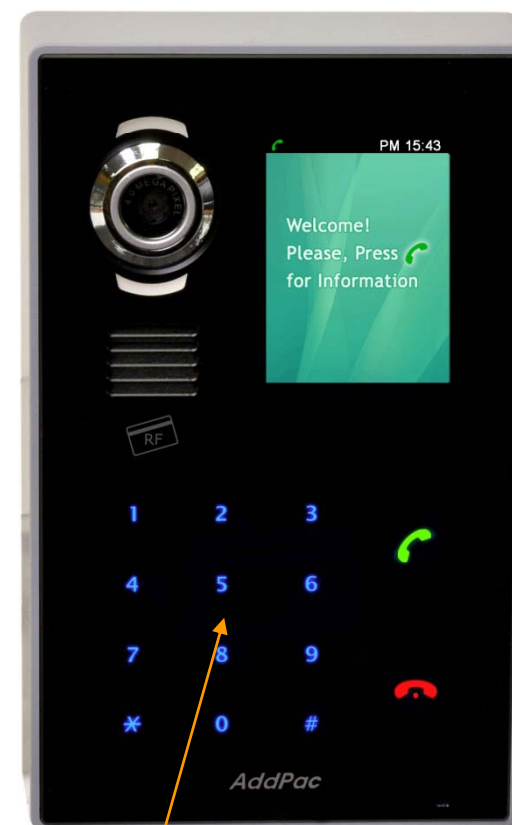
Hardware Specification

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

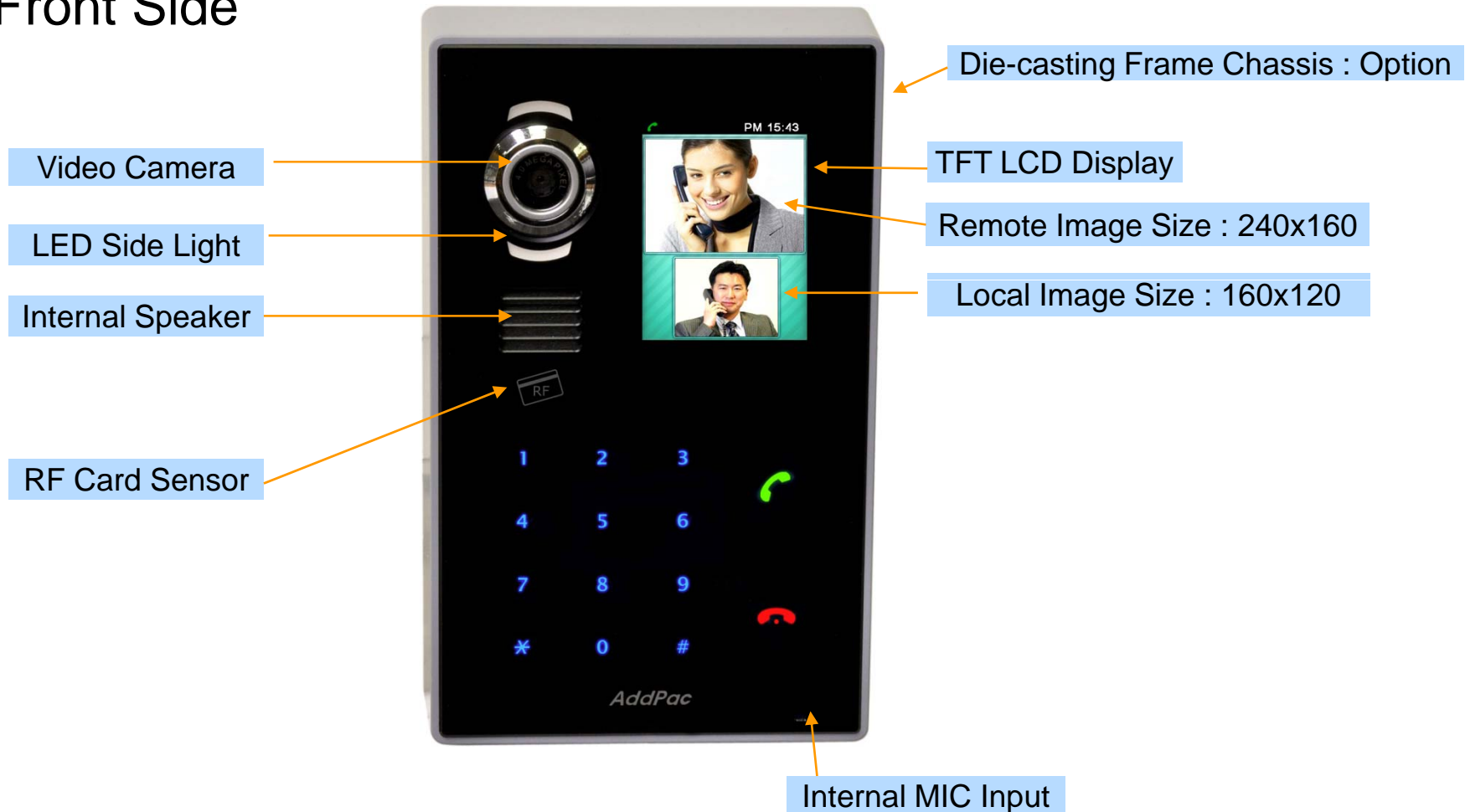


RF Card Sensor

Hardware Specification

AP-VAC50 IP Video Door Phone

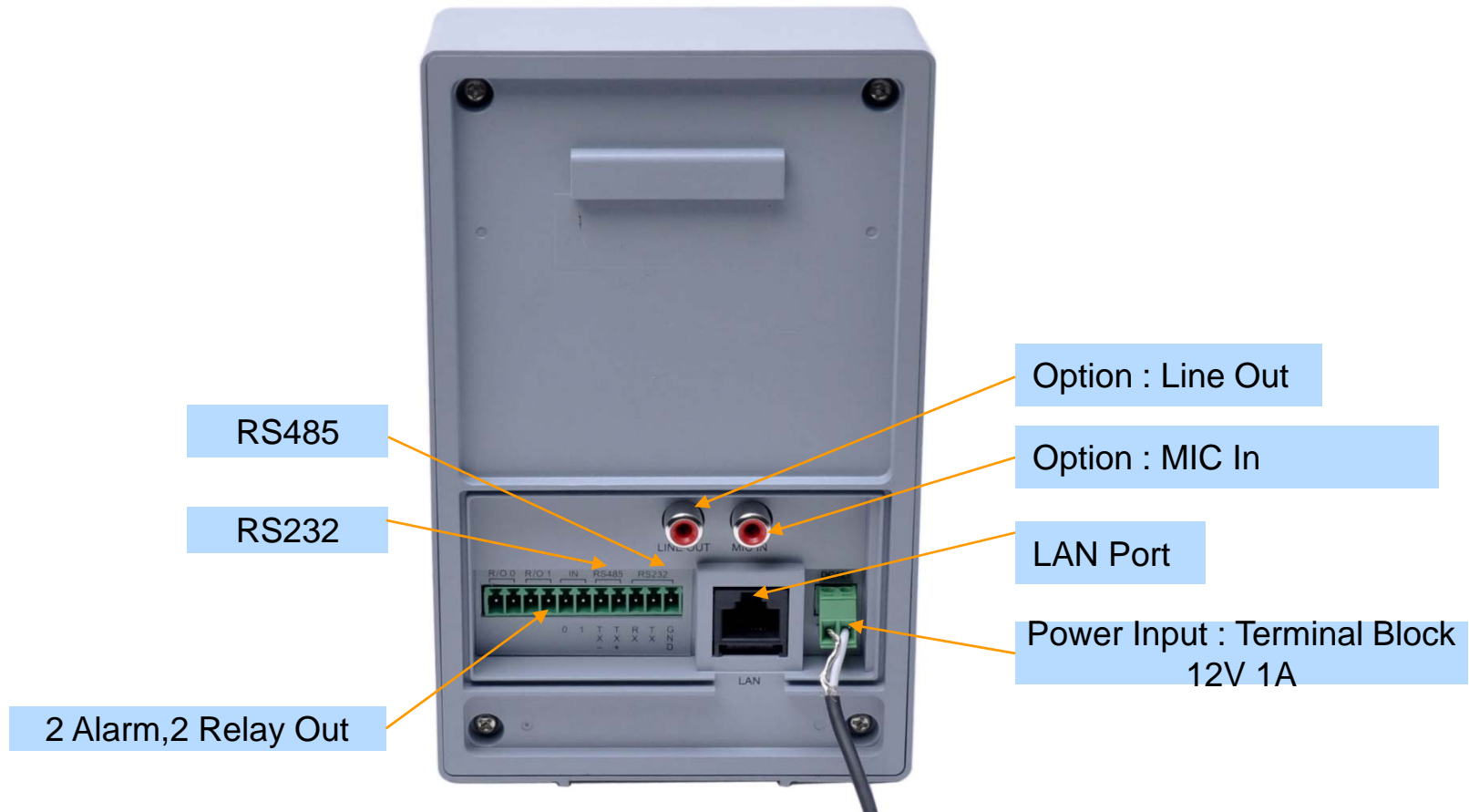
Front Side



Hardware Specification

AP-VAC50 IP Video Door Phone

Back Side



External AMP. Speaker Connection



Front Side

External AMP. Speaker Connection



Back Side

www.addpac.com

Smart Web Configuration for External Line Out Speaker Connection

Smart Web Manager
www.addpac.com

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!

AddPac Technology Co., Ltd.
Sales and Marketing

Phone +82.2.568.3848 (KOREA)

FAX +82.2.568.3847 (KOREA)

E-mail sales@addpac.com