

# LR8882 Product Description

## Appearance



## Communication Protocol

- ITU-T H.323 V.2 Compliant (will upgrade to V.4)
- H.323 to SIP upgradeable

## Video

- Built-in CCD camera
  - PAL, 250K Pixels
  - AGC and White Balance support
  - F/No.: f2.8
  - View angle: 56.11°(Φ4.8mm)
- Built-in TFT LCD display
  - 5" PAL, 960x234 dots
  - Horizontal view angles: > 45 ° (left and right)
  - Vertical view angles: >10 °(top), >30 °(bottom)
  - Panning angles: 270 degrees (levorotary 90 degrees, clockwise 180 degrees)
  - Tilting angles: 138 degrees (-3 ~ 135, -3 is closed)
- One external composite video input (convert cable is required)
- One external composite video output (convert cable is required)
- Support H.261 & H.263
- Support CIF & QCIF
- Source selection
- Mirror
- Privacy
- PTZ camera control (option)

## Audio

- One external line level audio input (convert cable is required)
- One external line level audio output (convert cable is required)
- One external microphone input
- Support G.711 A-Law/μ-Law, G.723.1, G.728 & G.729a
- VAD
- CNG
- AGC
- AEC (hardware)
- Out band DTMF
- Mute
- Volume control

## Phone Feature

- Handset
- Wireless Handset (option)
- Hands-free, Full Duplex
- Phonebook (100 sets)
- Inbox – Answered Call (10 sets)
- Inbox – Missed call (10 sets)
- Outbox (10 sets)
- Redial
- Caller ID display

## Network

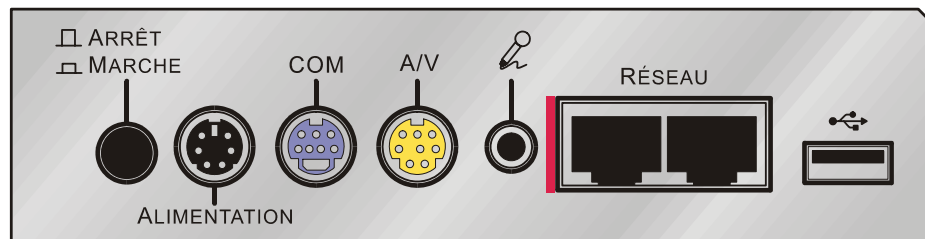
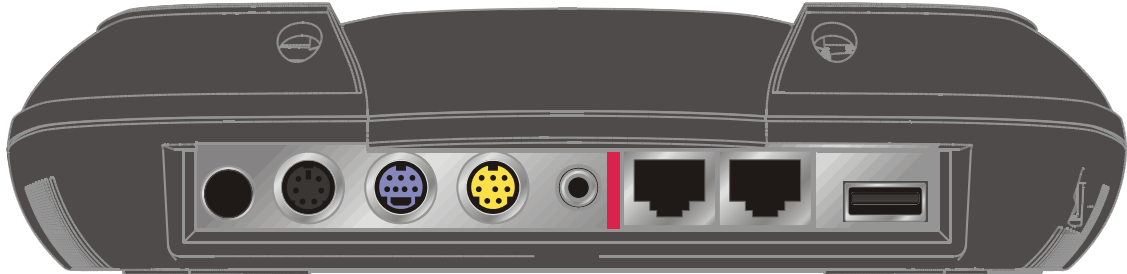
- Two Switched Ethernet interface (10/100, Half/Full Duplex Auto-negotiation)
- Wi-Fi (802.11g, option)
- Support ADSL, Cable, LAN & WAN
- Support Fix IP, DHCP
- DHCP client
- IP
- TCP
- UDP
- ICMP
- RTP/RTCP
- FTP client
- TFTP client
- IGMP
- NTP
- IEEE 802.1 p/Q

## User Interface

- OSD menu (will upgrade to fully GUI)
- Status icons
- LED indicators (Service, Video & Message)
- Telephone keys (0, 1, 2, 3, 4, 5, 6, 7 8, 9, \*, #, Handset/Speakerphone, Hang up)
- Navigation keys (Up, Down, Left, Right, OK, Cancel, Menu)
- Hot keys (Phonebook, Outbox/Redial, Mute, Source, Video, Mirror)
- Soft keys ("-", "- -")

## Hardware Interfaces

**Rear Panel**



	Name	Picture	Type	Color	Description
1	Power switch		Push button	<b>Black</b>	A push button style power switch.
2	Power Input		Mini-Din6 (Female)	<b>Black</b>	The power input connector
3	Serial port		Mini-Din7 (Female)	<b>Purple</b>	The serial port connector which can be extended as data control channel (for example, PTZ camera control).
4	A/V Input/Output		Mini-Din8 (Female)	<b>Yellow</b>	The A/V interface which provides one Audio input, one Video input, one Audio output and one Video output.
5	Microphone Input		Phone Jack	<b>Metal</b>	The extension to an external microphone
6	Ethernet x 2		RJ-45	<b>Red (Line)</b>	The left one with red line is the default Ethernet connector.
7	USB x 1		USB 1.1	<b>Metal</b>	The USB 1.1 interface which provides the USB application extension.

**Left Side of LR882**

1	USB x 1		USB 1.1	<b>Metal</b>	The USB 1.1 interface which provides the USB application extension.
2	Handset Connector		RJ-14		The handset interface

- External Video Input / Output  
Composite video input/output: 8 pin Mini Din Jack (yellow) to RCA cable --- PAL  
Video input impedance: 75 OHM  
Video output voltage: 1 Vp-p into 75 OHM load
- Audio input  
Built-in: Handset, Hands-free speakerphone  
External: 8 pin Mini Din Jack (yellow) to RCA cable  
Audio input impedance: > 30 KOHM  
Audio input voltage: 775 mv
- Audio Output  
Built-in: Handset, Hands-free speakerphone  
External: 8 pin Mini Din Jack (yellow) to RCA cable  
Audio output impedance: < 240 OHM  
Audio output voltage: 775 mV (default)
- External Microphone Input (LR8120)  
Microphone input impedance: > 20 KOHM  
Microphone input voltage: -46 +/- 4 db, 0db = 1V/pa  
Microphone supply voltage: 1.5 Vdc, RL: 680 OHM
- Internal Microphone Input  
Microphone input voltage: -42 +/- 3db, 0db = 1V/pa  
Microphone supply voltage: 4.5 Vdc, RL: 2.2k

## Accessories

- Handset x 1
- Handset cord x 1
- Power adapter (lock type plug) x 1
- Power cord (French AC plug) x 1
- A/V convert cable x 1
- Ethernet cable x 1
- External conferencing microphone (**option**)
- External microphone extension cable (**option**)
- USB 802.11B/G WiFi Stick (**option**)
- USB memory storage stick (**option**)

## Others

- Firmware remote upgradeable
  - V2+ software Compatible with LR8772/LR8757
  - Native Application Software release V3 based on Linux Operating system
  - Ease and speed of development for custom-made UIs and applications
  - Full and efficient file management system based on Linux specifications
  - USB memory storage stick combined with file management system will allow many future applications such as
    - ❖ intelligent transfers “from and to” digital cameras and camcorders,
    - ❖ digital “photo frame”
    - ❖ Usual Windows features, like wallpaper, themes, ...
    - ❖ MP3 music on hold
    - ❖ Virtual video answering machine including Video greetings and recordings
    - ❖ CD/DVD read and write
    - ❖ Encryption / decryption software (from a special USB key) providing secure communications, user identification and personal confidential data storage
- as well as full support for many USB based accessories such as :
- ❖ printer
  - ❖ headset and microphone
  - ❖ keyboard and mouse
  - ❖ game controller
  - ❖ light source
  - ❖ ...