

## MR1060 Series

### Integrated HD Audiovisual Communication Terminal

MR1060 is a new generation of integrated HD audiovisual communication terminal, which can be used as SIP terminal, H.323 terminal and SIP/H.323 mixed terminal. It is compatible with most popular MCU and GK brands, such as POLYCOM, Cisco etc.

providing rich interfaces, built-in high-performance digital signal processing chip. It also supports dual 1080P60 HD video and AAC-LD broadband voice encoding and decoding. With ultimate conferencing and collaboration experience offered, it is an ideal choice for video conferencing, command control, online education, tele-medicine and other professional applications.



#### Product Features:

##### Strong Compatibility

- Support H.323 / SIP dual-protocol stack, which make it achieve good interoperability with the industry standard terminals, MCU, GK, etc. It is convenient for customers' expansion and upgrading.
- The rich interface configuration make it fit for different application environment and compatible with mainstream audio/video input/output devices. It also can achieve rapid deployment, reducing the times to modify wiring.

##### Superior performance to present ultra HD video

- Built-in high-performance digital signal processing chip, support dual 1080p60 from both mainstream and auxiliary stream encoding simultaneously (optional), providing single-display, dual display and rich video window layout to enhance the user experience.
- Audio supports AAC-LD broadband codec, and use optimal algorithm to achieve echo cancellation, noise suppression and automatic gain control, thus to ensure high-fidelity, low-latency audio transmission.
- Qos settings and unique media error correction (MEC) technology can guarantee smooth audio and video effects under high bit error rate condition (priority to ensure audio quality under network degradation condition)

##### User-friendly design for operation and maintenance

- MR1060 adopts high integrated structural design (integrated camera), to present a simple and fashionable appearance, and provide matched brackets to achieve wall mount and upside down installation
- Built-in gravity sensor, making the image flip automatically under upside down mount mode.
- Flat UI style design, to make it easier for user to operate.
- Remote controller integrated part of function buttons, making it convenient and practical to achieve common function with only one click.
- U disk, web pages and other upgrades ways will help post-maintenance and system upgrades.
- Optional high quality 360 degree omnidirectional digital microphone array; simple wiring is helpful to quick installation.

##### Multiple security mechanism ensures the security of content transmission.

- The system applies AES media encryption technology.
- User certificates, password protection, HTTPS security links and other encryption measures ensures safe operation of the system.
- Supports H.460, NAT, and configurable port ranges for firewall traversal

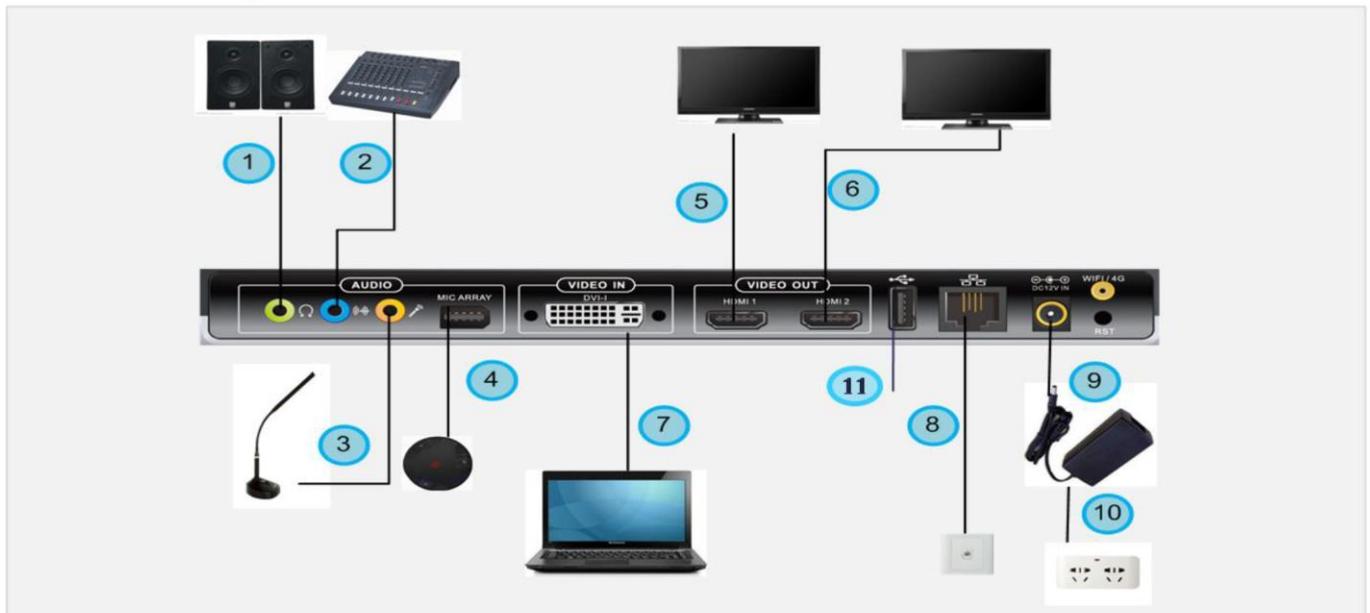
**Product Specification**

Specification	Introduction
Communication Protocol	H.323(Including H.221,H.225, H.235, H.245, H.281,T.140,DTMF etc.) SIP
Camera Features	Optical Zoom:12X View Angle:6.3°(tele)~72.5°(wide) Tilt:-30°~+90°; Pan:-170~+170° Video Signal Format:1080p50/60,720p50/60 Auto Focus/Auto White Balance/Auto BLC 2D & 3D digital noise reduction Video Adjustment:Brightness,Color,Saturation,Contrast,Sharpness,B/W mode,Gamma curve.
Camera Control	Support FECC remote control protocol
Video Encoding	H.261, H.263, H.264, H.264HP
Video Input	2 channels video inputs:one channel integrated camera video input,the other channel auxiliary video stream input Video formats supported by DVI-I:1920x1080(1080P),1280x720(720P),1600x1200(UXGA),1680x1050(WSXGA+),1400x1050(SXGA+),1366x768(WXGA+),1280x1024(SXG),1024x768(XGA),800x600(SVGA)
Video Output	Main camera video output interface:HDMI Auxiliary video output interface:HDMI Video formats supported:1920x1080(1080P),1280x720(720P)
Audio Encoding	G.711A, G.711U, G.722, G.722.1C, G.728, G.729A, AAC-LD
Audio processing technology	echo canceller,noise suppression,AGC
Audio Input	1xXLR 1xRCA 1x Microphone array 1x HDMI audio(audio from auxiliary stream)
Audio Output	1xRCA 1xHDMI audio
Microphone array	Support 48KHz sampling, 6m audio pick up distance,360°omnidirectional microphone
USB Interface	USB2.0(for FM upgrading and maintenance)
LAN Interface	10/100/1000M LAN
LAN Protocol	IPv4I,Pv6,DHCP,NAT,QOS,NTP,SNMP,RTP/RTCP,H.460 ,H.239(H.323),BFCP (SIP)
Bandwidth requirement	64kbit/s-6Mbit/s
Security	AES HTTPS Certificate Management interface password protection TV configuration interface password protection
Control ways	Remote control+ TV interface

Specification	Introduction
	Webpage management
Supply Adapter	AC 110-240V, 50Hz-60Hz to DC 12V Supply Adapter
Consumption	<60W
Dimension	270mm(L)*184mm(W)*187mm(H)
Weight	1.94kg
Working Temperature	0-40°C
Working Humidity	10%-80%
Store Temperature	-40-70°C
Store Humidity	0%-95%

## Installation

Pls fix the device at the position you want. You should save space for cable connection. Please connect the device with the following instructions:



1. Audio output:
  - Option 1: Connecting acoustics.
  - Option 2: Use main monitor<sup>⑤</sup> to have audio output
2. Audio input (Attention: Please use one input only at a time, or it will affect audio processing.):
  - Option 1: Connect with console<sup>②</sup>
  - Option 2: Connect with CANNON Microphone<sup>③</sup> (need to buy 3.5mm balance cable to convert to CANNON head)
  - Option 3: Connect with omnidirectional digital microphone array<sup>④</sup> (Suggested)
  - Option 4: Connect with auxiliary video input device<sup>⑦</sup>
3. Video output
  - Connect Main Display/Monitor with HDMI cable<sup>⑤</sup>
  - Connect Auxiliary Display/Monitor with HDMI cable<sup>⑥</sup>
4. Video input
  - Connect auxiliary streaming video Input<sup>⑦</sup> with DVI(HDMI) cable.
5. Network connection
  - Option 1: Wired network connection<sup>⑧</sup>

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Option 2: Wireless network connection⑩

Option 3:Wireless 4G LTE connection⑩

6. Maintenance and FM upgrading

Via USB2.0 port ⑪

7. Power supply Connection⑨

Connect with AC 12V Power supply

After confirmation of the above connection, connect the DC power adapter with AC power supply,then power on.