



# ARECare Intercom Solution MV-01S | MV-01U | MV-01C

Reliable Audio and Video Intercom Quality



MV-01S

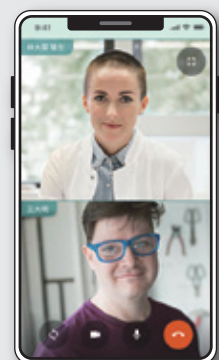


MV-01U



MV-01C

- ARECare Intercom Solution includes 3 different kinds of I/O hardware for selection. Each model could be configured as Presenter mode or Viewer mode for two-way communication between doctors and patients' families. Viewer mode supports Android/iOS apps for mobile devices. Make communication more convenient!
- Supports one-on-one video conferencing, screen switching, annotation, video playback sharing, recording, automatic backup, and remote management features.
- Quick integration with existing medical and audio visual equipment in the operating room.

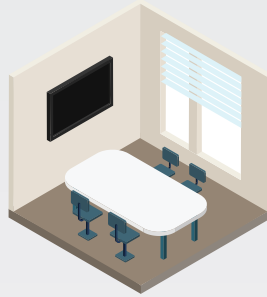
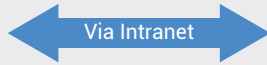


## Main Features

# Enhance the Communication Performance and Effectiveness



Cardiac Catheterization Room

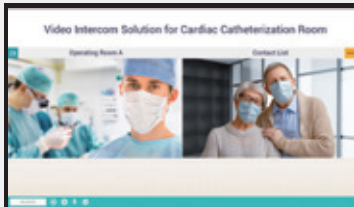


Reception Room

Through the video communication features, ARCare Intercom Solution can bring fast and effective communication for surgical interpretation, including video conferencing, operation plan, medical image interpretation, etc.

### Visual Communication, Annotation, Recording All-in-One Device

ARCare Intercom Solution is a powerful and innovative system that supports one-on-one video conferencing, screen switching, annotation tool, recording, automatic backup, and remote management features. When the presenter unit calls the viewer unit, just like a video intercom system, doctors can easily communicate and share surgical information with patients' families who are waiting outside the operating room in a more private way. MV-01S allows doctors to add annotations when he/she is sharing the screen, making surgical interpretation more clear.



Physician Side



Family Side



Physician Side



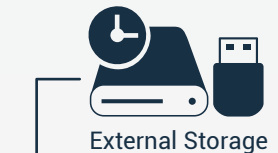
Family Side

### Intuitive and Easy-to-Use

ARCare Intercom Solution comes with a well-thought graphical user interface that allows medical staff to easily operate, such as video calls, video source switching, annotation video playback sharing recording, and more. During the conference call, it also can share a video playback with the remote side.

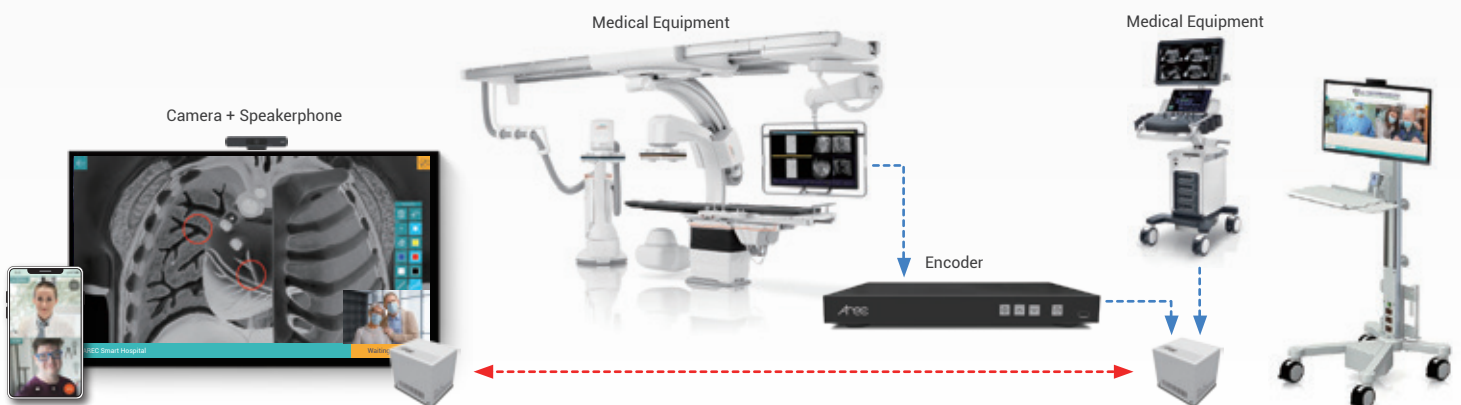
### Recording and Backup

Setting as the presenter mode allows users to record and save videos on a connected MicroSD card. It also supports automatic backup and upload of the recordings after their completion to FTP/SFTP servers and can use NAS for remote storage.



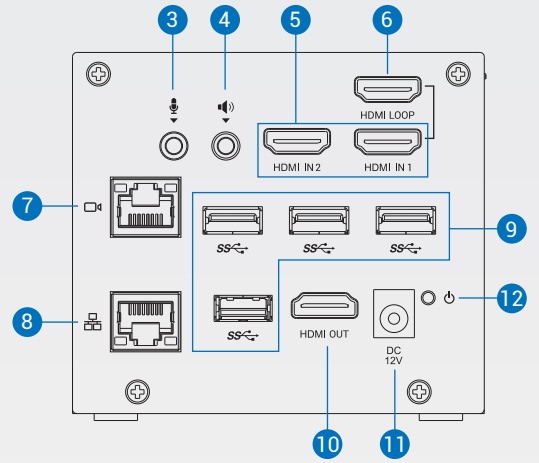
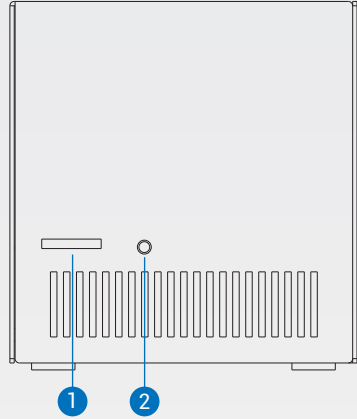
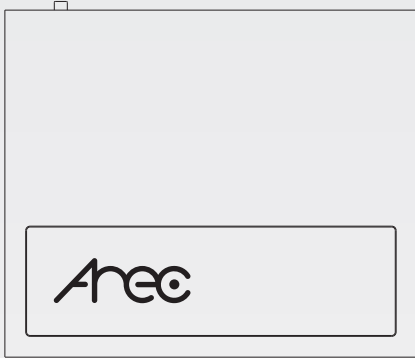
### Easy Implementation and Integration

ARCare Intercom solution can be integrated with existing audio visual equipment in the operating room, such as medical equipment, cameras, and displays. Users can easily install MV-01S/MV-01U/MV-01C in the operating room, waiting room, or any space where people discuss patients' conditions.



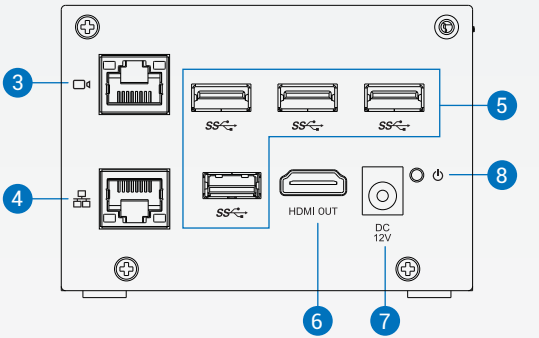
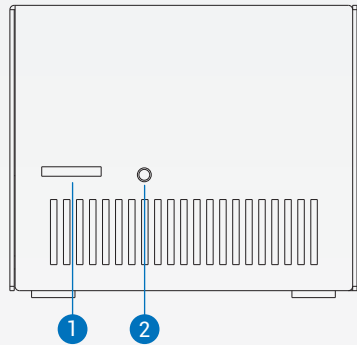
# Product Interface

## MV-01S



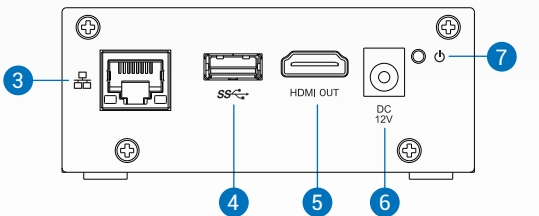
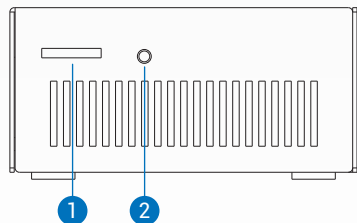
- 1 SD card slot
- 2 Reset Port
- 3 Mic-In
- 4 Line-In
- 5 HDMI-In
- 6 HDMI-Out (Loop)
- 7 LAN Port
- 8 WAN Port
- 9 USB
- 10 HDMI-Out (GUI)
- 11 DC-12V
- 12 Power Button

## MV-01U



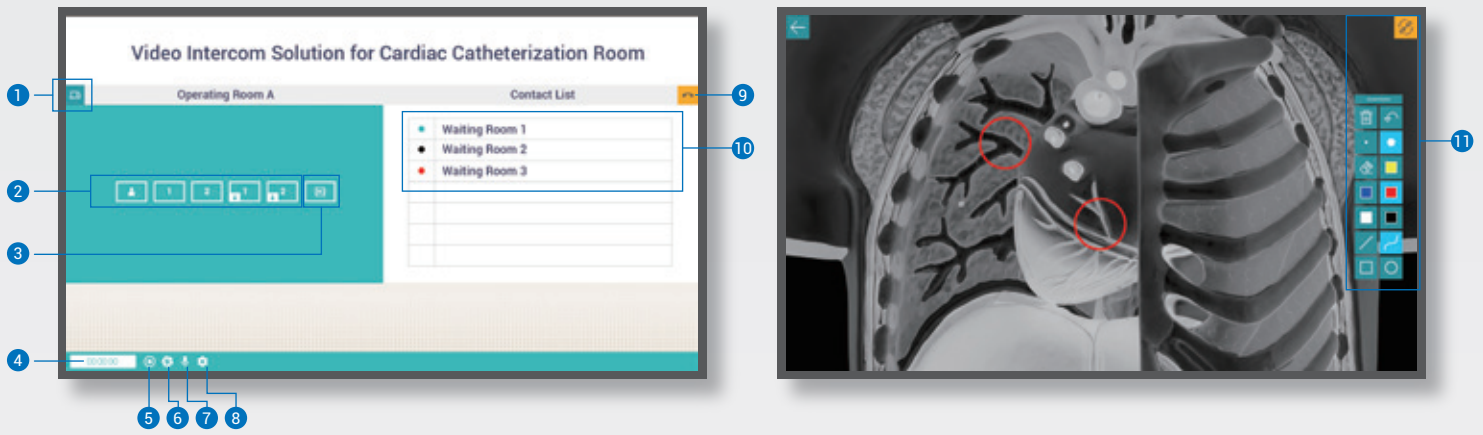
- 1 SD card slot
- 2 Reset Port
- 3 LAN Port
- 4 WAN Port
- 5 USB
- 6 HDMI-Out (GUI)
- 7 DC-12V
- 8 Power Button

## MV-01C



- 1 SD card slot
- 2 Reset Port
- 3 WAN Port
- 4 USB
- 5 HDMI-Out (GUI)
- 6 DC-12V
- 7 Power Button

## Product Interface



- 1 Source/ Layout Switching
- 5 Start/ Stop Recording
- 9 Start a Video Call
- 2 Layout Selection
- 6 Snapshot
- 10 Contact List
- 3 Playback Video
- 7 Mute
- 11 Annotation Tool Bar
- 4 Timer
- 8 Setting

## Software Functions

Modes	Presenter Mode	Viewer Mode
GUI Functions		
Features	Call List, tap to call & pick-up, layout switching, playback USB video, click to full screen, annotation tool bar, collaboration, record start/stop, snapshot, information & audio settings.	Pick-up, collaboration, record start/stop, snapshot, information & settings.
Controls of MV-01 and Network Camera		
Touch Interface	Yes, supports through USB interface	
Mouse Devices	Yes, supports through USB interface	
External Control	Yes, supports TCP protocol	
Web interface for remote control	Built-in web interface called Video Manager	
Storage, Backup and Compatibility		
External Storage	Support USB/MicroSD/NAS storages	
Locally Stored File Format	MP4	
Backup	FTP/SFTP	
Third-Party Video Management System	Supports Opencast, Panopto, Kaltura	
Recording & Streaming		
Recording Modes	Mixed mode	
Live Stream to CDN or Stream Server	Yes, support RTMP(RTMP/S) protocol. Stream up to 2 platforms simultaneously	
Video information Editing		
Post Video Info Editing	Yes, through Video Manager webpage	
Conference Server Specification		
Call list limitation	10 devices	
Concurrent connection	1 set	
External Server	Optional device. Extend call list up to 99 devices and concurrent connection up to 6 sets Contact AREC qualified sales representatives for more information.	

## Hardware Specifications

Models	MV-01S	MV-01U	MV-01C
<b>Input Connection</b>			
Max. Video-in Channels	Maximum 3 channels		
Video-in Interface	HDMI up to 2 USB (UVC) & IP stream up to 3	USB (UVC)* & IP stream up to 3 *An USB hub is needed for MV-01C	
Resolution Range	HDMI: 480i~1080p60; USB: Max. 1080p30; IP Stream: Max. 1080p30		
Audio-in Channels	2 x HDMI 1 x 3.5mm line in 1 x 3.5mm Mic in 1 x USB (UAC, 16-bit 48 kHz) 3 x IP Audio (RTMP/RTP)	1 x USB (UAC, 16-bit 48 kHz) 3 x IP Audio (RTMP/RTP)	
Audio Mixing	Mix multiple audio input sources into 1		
<b>Video Processing</b>			
Compression	H.264 (AVC)		
Frame Rate	Max. 30fps		
Bit Rate	300Kbps~8Mbps, conferencing streaming supports adaptive bitrate algorithms		
Resolution	Max. 1080p (640x360 ~ 1920x1080)		
<b>Audio Processing</b>			
Compression	AAC-LC		
Bit Rate	80Kbps~320Kbps		
<b>Output Interface</b>			
Video Outputs	1 x HDMI loop through 1 x HDMI for display with graphic user interface 2 x H.264/AVC digital video over Ethernet	1 x HDMI for display with graphic user interface 2 x H.264/AVC digital video over Ethernet	
Audio Outputs	1x HDMI : 1x USB (UAC)		
Max. Output Resolution	1080p60		
<b>Streaming</b>			
Streaming Delay	1 sec.		
Compatible Streaming Input Protocols	RTSP, RTP, RTMP		
Streaming Output Protocols	RTP, RTMP (RTMPS), RTSP Note: 1. users can choose 1 output option from RTP or RTMP only 2. RTP: MPEG2-TS over RTP unicast; MPEG2-TS over RTP multicast 3. RTSP (TCP/ UDP): Max 6 clients RTSP streams are available via public URL (example: pulled streams)		
<b>General Information</b>			
Operation System	Embedded Linux System		
Power Supply	12V		
Temperature / Humidity	0~40°C / 90%		
Dimension	95mm(L) x 80mm(W) x 83mm(H)	95mm(L) x 80mm(W) x 65mm(H)	95mm(L) x 80mm(W) x 38mm(H)
Weight	650g	490g	330g
Language	TC / English		
Accessories	Power adapter / quick guide		



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