



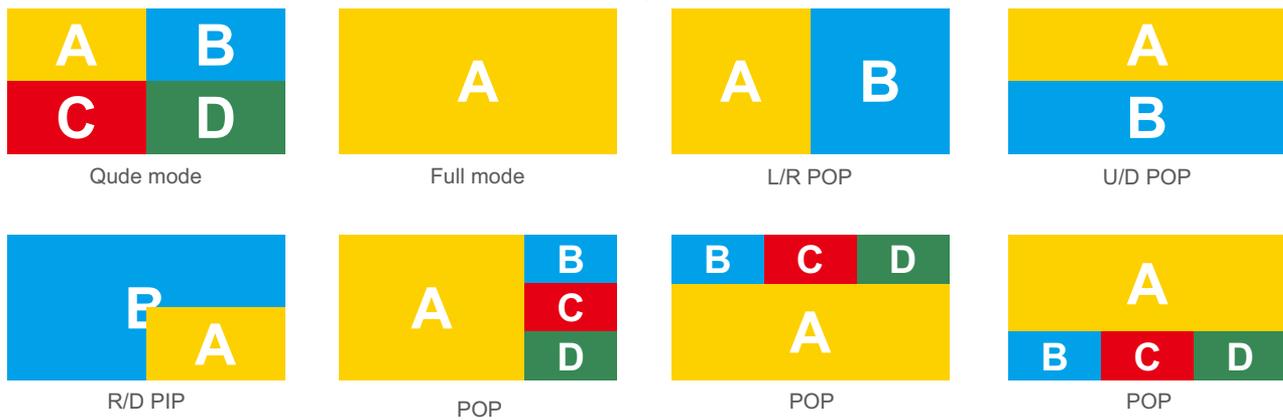
Video Conference

## VIS-CATC-B AV bridge and Camera switch

VIS-CATC-B is a AV bridge combined with local analog audio, SDI and HDMI signals to the HDMI and USB. It can be widely used in the seamless integration of private cloud video terminals or public cloud video conference computers.

The AV Bridge offers a rich interface for 4xHD SDI inputs, 2xHD HDMI inputs, 1xRCA audio input, 2xHD HDMI outputs, and 1xUSB output . It is controllable with button, RS232 control, Ethernet control, web page control, etc., and can realize camera tracking, screen segmentation preview and output, seamless switching, screen freezing, audio and video scaling conversion functions. Thanks to this solution, computer and video conferencing terminals can be flexibly integrated into professional audio and video design.

# Features



- 4xSDI HD input, SDI supports 3G-SDI and HD-SDI, digital audio input.
- 2-way HDMI HD input, HDMI supports 1080P60Hz (backward compatibility), digital audio input.
- 1ch analog audio input.
- 2-way HDMI HD output, HDMI supports 1080P60Hz (backward compatibility), up to 4-screen split, supports audio output, compatible with HUAWEI, POLYCOM and other brand video conference terminals.
- 1xUSB audio and video output, USB port supports 1080P30Hz, USB can auto connect to PC. up to 4-screen splits, Compatible with conference software such as ZOOM, SKYPE etc.

- The screen freeze function can be set according to the rotation and focus time of different cameras.
- Compatible with VISONIC conference system, camera tracking function.
- Audio and video signal input to output seamless switching, no black screen during switch.
- Can quickly configure the switching and mode of audio and video signals through the web interface, with 7 in 1 out audio independent switching, 12 screen preview and output modes such as PIP, POP, PBP, and quad-screen.

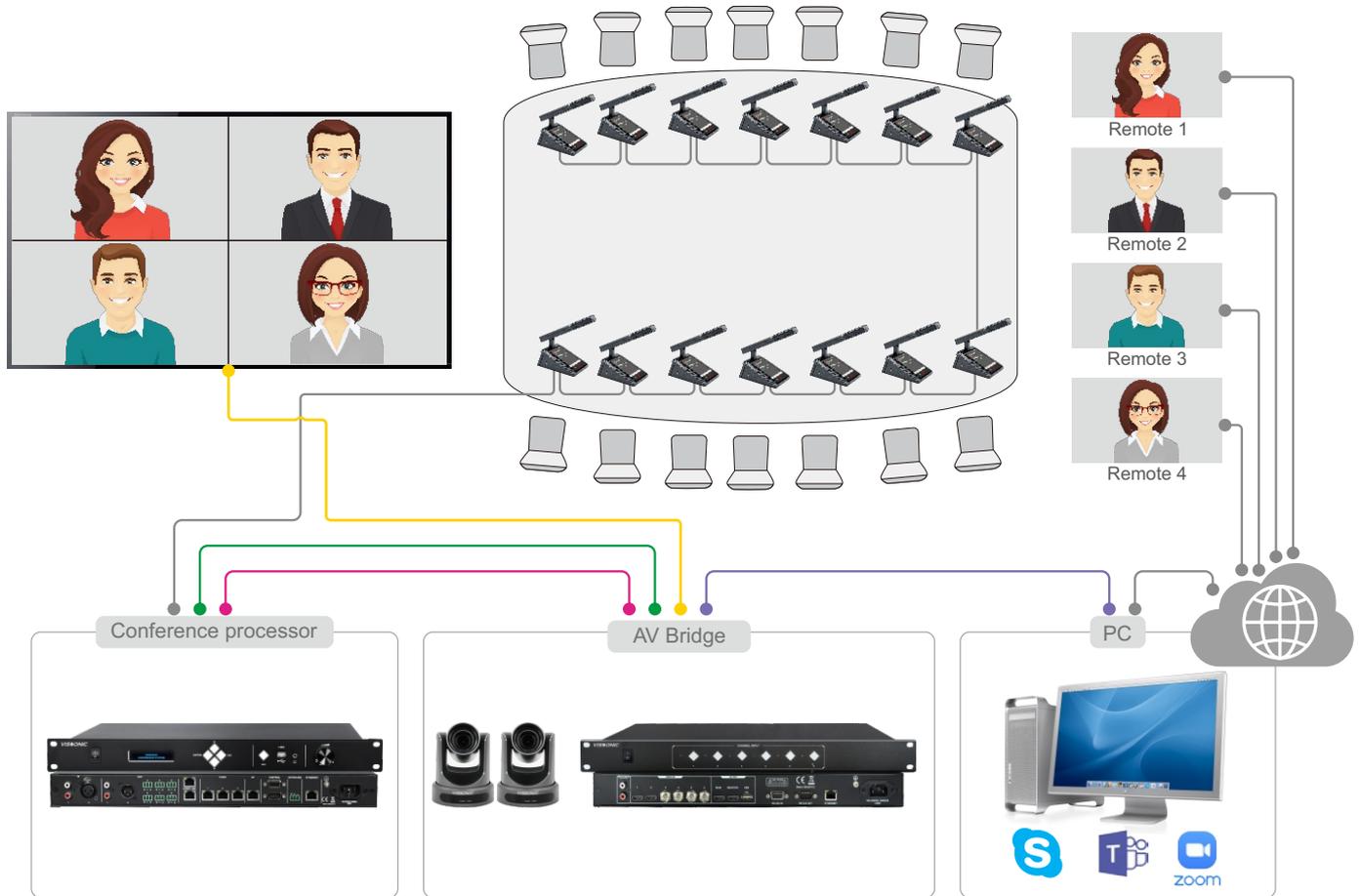
# Technical parameter

<b>Video input</b>	
Signal format/Quantity	2xHDMI
Connector	HDMI-A connectors
Pixel bandwidth	165MHz
Protocol	HDMI 1.3a standard, HDCP1.3 protocol, DVI1.0 protocol
Resolutions	1920x1080x60Hz (backward compatible)
Transmission distance	HDMI≤15m
Signal format/Quantity	4xSDI
Connector	BNC female connectors
Pixel bandwidth	2.97GHz
Video Format	1.485Gbps HD-SDI and 2.97Gbps 3G-SDI
Resolutions	HD-SDI, 3G-SDI
Transmission distance	3G-SDI≤100m
<b>Video processing</b>	
Colors	11 million (8-bit 4:2:2 processing)
<b>Video output</b>	
Signal Format/Quantity	2xHDMI
Connector	HDMI-A Female
Pixel bandwidth Digital pixel data bit depth	8 bits per channel, 148.5MHz pixel
Resolutions	1920x1080x60Hz
HDMI Peripheral Power	50 mA per output
Transmission distance	≤15m
Signal Format/Quantity	USB Digital Video x1
Connector	USB-A Female
Supported Resolutions	1080x1080x60Hz
Transmission distance	USB≤10m
<b>USB encoding</b>	
Number/signal type	1xUSB
Video encoding	YUV or JPEG
Resolution	1080p
Audio	PCM, 24-bit, 48 kHz
Bit rate	Up to 480Mbps
USB	Standard USB 2.0 High Speed, USB 1.1 Full Speed
<b>USB device port</b>	
Number/signal type	1xUSB
Connectors	1xUSB-A Female USB 2.0 Type
<b>Audio input</b>	
Signal Format/Quantity	1xAnalog Stereo, HDMI embedded digital audio x2, SDI embedded digital audio x4
Connectors	RCA female, HDMI, BNC

# Technical parameter

Audio output	
Signal format/quantity	HDMI embedded digital audio x2
Connectors	HDMI
Signal format/quantity	USB embedded digital audio x1
Connector	USB
Communication	
Remote control interface	2xRS232 serial ports; 1xRJ45 Ethernet interface;
Local control interface	Support local key control
Serial Control Port	1xbidirectional RS-232, 1xbidirectional RS232 loop out
Serial Control Connectors	1x9-pin DB9 female, 1 DB9 male
Baud Rate and Protocol	9600 baud rate; 8 data bits; 1 stop bit
Serial Port Pin Definition	1 = Tx, 2 = Rx, 3 = Gnd
Network control port	1xRJ-45 connector
Network rate	10/100Base-T, half/full duplex, with auto-detection
Ethernet Protocol	TCP/IP
Ethernet Default Settings	Link Speed and Duplex Level: Auto Detect, IP address: 192.168.10.189, Subnet mask: 255.255.255.0, Gateway: 192.168.10.1, DHCP: off, Web server 4 simultaneous sessions, Configuration Control Web GUI Configuration
Generals	
Power consumption	12W
Power supply	AC100~240V 50-60 Hz;
Temperature/Humidity	Storage: -40 to +158 °F (-40 to +70 °C) / 10% to 90% , Operating: +32 to +122 °F (0 to +50 °C) / 10% to 90%,
Installation	1U Standard Rack Mount
Dimensions (L x W x H)	483 x 260 x 43.6 mm
Weight	3kg
Colour	Black

# Diagram



■ Audio   
 ■ RS-232   
 ■ CAT5e   
 ■ HDMI   
 ■ USB

## Item List:

Model	Description
VIS-DCP2000-D	Conference main controller
VIS-CATC-B	AV bridge and Camera switch
VIS-DMD-T	Conference unit
VIS-CDC-U	HD meeting camera
PC	PC with online collaboration software from Teams, Skype, Zoom etc and link to internet
Screen	High resolution display, large screen is suitable for video multi-view



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