

BYOM-09L : SnapShow 4K BYOM Button Wireless Presentation



System :	Embedded Linux OS, built-in dedicated hardware video codec processor (Support simultaneous 1x 4K 60 fps decoding or 9x 1080P 30 fps decoding plus 1x 1080P 30fps encoding), 7x24 operation hours
Receiver OS	Embedded Linux OS, built-in dedicated hardware video codec processor (Support simultaneous 1x 4K 60 fps decoding or 9x 1080P 30 fps decoding plus 1x 1080P 30fps encoding), 7x24 operation hours
Sender Computer side	Operating systems supported (Sender Button) Support Windows 7/10/11 32 & 64-bit; MAC OS X 10.10 and above; Support smartphone/tablet wireless screen casting- iOS airplay screen casting, iOS9 and above; OSx 10.10 and above; Android App screen projection (Android 5.0 and above), Miracast support (Full screen display only)
Hardware	Hardware I/O: 1x HDMI 2.0 output, 1 x HDMI 1.4 input, 1x Gigabit LAN port, 1x3.5mm audio output jack, 2xUSB2.0 ports, 1x12V/2A power jack, 1xRESET factory reset button

HDMI Resolution	HDMI output resolution: Max 4096x2160 60fps (4096x2160 @ 60Hz) Resolution output: 4096x2160 60fps, 4096x2160 30fps, 3840x2160 60fps, 3840x2160 30fps, 2560x1600 60fps ,1920x1200 60 fps, 1920x1080 60fps, 1600x1200 60fps, 1280x800 60fps, 1280x720 60fps, 1024x768 60fps HDMI input resolution: maximum 1920x1080 60fps Support HDMI input: HDMI input loop out to HDMI output display; can also be set to co-display the HDMI input with other transmitter projection screens
Codec	Codec format: H.265, H.264 Codec capability: Max 4K 60fps
Button Sender supported	Three types of interface transmitters are supported: SWP-BT : USB Button Sender (1080P encoding) SWP-HA : 2K HDMI Button Sender (1080P encoding) SWP-UC : 4K USB Type-C Button Sender (1080P/4K encoding) BYOM-BT : BYOM Type-C Button Sender (1080P encoding) BYOM-BT2 : 4K BYOM Type-C Button Sender (1080P/4K encoding) BYOM-HD : BYOM HDMI Button Sender (1080P/4K encoding)
WinSender App	Support WIN pure software screen projection, through WinSender
Hybrid mode display	Support mixed display of computer and mobile terminals, support multi-channel mobile terminal simultaneous display. Hybrid Sender transmitter buttons (hardware transmitters, AirPlay , WinClient Sender software screen projection, etc.) can be switched between each other seamlessly
Aspect ratio	Display ratio: can display equal ratio, 4:3, 16: 9, 16:10 (SWP-BT and WinClient Sender software only)
Smart Phone side survey	Support mobile phones in the same subnet to automatically search for multiple receiver devices and cast screens
Display numbers	Display the number of sources simultaneously: 1 - 9 channels (the number of display screens can be set through management dashboard)
Access Device number	Number of simultaneous access sources: 64 devices

Video & Audio transmission	Single-screen projection 4K output display: the definition is 4K, that is, true 4K projection - 4K input, 4K encoding, 4K decoding, and 4K display. (SWP-UC) 2 - 4 screen projection 4K output display: the resolution of each picture can reach 1080P 5 - 9 screen projection 4K output display: the resolution of each screen can reach 720P. Audio output: 44.1KHz/16bit stereo, audio embedded via HDMI & 3.5mm analog line audio output
Networking	Support Dual WiFi The hotspot access point- WiFi6 2T2R module with external dual antennas The wireless card- WiFi5 2T2R module with built-in dual antennas Supports wireless bridging; supports wired bridging Wireless transmission protocol: supports IEEE 802.11ax/802.11ac/802.11n Wireless transmission rate: up to 1200Mbps Wireless transmission distance: 30 meters Wireless transmission band: can support 2.4 GHz or 5GHz, default 5G Selective number of channels: 9 (5G)/11 (2.4G), a total of 20 channels are available Wireless Encryption : WPA2 PSK
Transmission delay	The average delay is less than 150mS
Receiver management	Receiver management dashboard: through web page management
Upgrade	Through Thumb drive upgrade through USB port, and dashboard upgrade
Video & Pics playback	Build In 4K Video & picture playback through thumb driver plug in USB port
BYOM	Plug in USB/HDMI camera, USB microphone and speaker; The camera and microphone can be wirelessly transmitted back to the PC, and audio of the PC can be wirelessly transmitted to the usb speaker for playback. (BYOM-BT, BYOM-HD only)
Magnifier	When multiple display mode running, double-click right mouse button on any source to zoom-in the display, restore to multi-screen by double-click again
Extended display	Supported (HDMI and TYPE C Sender only : BYOM-BT, BYOM-HD, SWP-UC, SWP-HA)
Smart phone portrait display	Support mobile phone portrait screen projection function. Support 4 mobile phone screens horizontal/ portrait displays mode and 4 mobile phones screens vertical screen display mode

Airplay application	AirPlay screen projection supports mirroring and streaming modes. AirPlay projection resolution can reach up to 4K definition. AirPlay screen projection can support up to 9 channels simultaneously
Touch back	Support connecting to Touch screen display via USB, User can control PC that sharing screen from the Button sender
Conference control	Controls the switching of the video signal sent from USB & HDMI Sender via Android App (English & Thai menu support)
Multi-show	Wireless multi-screen display supported, Max 1x Master, 4x Slave Receivers units. Note : Receiver unit can be Snapshow MS-042 or BYOM-09L
Logo & Home (Background) image	User can change the Logo Boot up and Home (Background) image by yourself
Sound	Adjustable Volume via Web GUI
Power consumption	The average power consumption is less than 6w (Excluding the power supply power of the external USB camera)
Environment requirement	Temperature range: operating: +5°C ~ +40°C; Storage: -20°C ~ +60°C Humidity range: storage and operation: 0 ~ 90% relative humidity, non-condensing