

Shinybow SB-5688CAP 8x8 HDMI HDBaseT PoH UHD 4k2k Matrix Routing Switch w/ EDID

The SB-5688CAP is professional 8x8 matrix routing switch with PoH. Supporting eight (8) HDMI and (8) Auxiliary Audio Inputs. Outputs supported include (8)x HDMI, (8)x SPDIF and (8)x HDBaseT (PoH). The SB-5688CAP is based on the HDBaseT standard and supports full resolution HDMI video with embedded EDID and PoH function, Audio, RS-232, Ethernet and bi-directional IR, all over a single category cable. With a signal bandwidth of 340Mhz, so there is no signal degradation. High Definition Digital signals can be selected and distributed to any (8)x inputs to (16)x outputs simultaneously (channel outputs mirrored). The switcher is certified as being fully CEC, ARC and HDCP 2.0 compliant, full HD 4K2K HDMI V1.4a 3D formats, data rates up to 6.75 Gbps. Supports UXGA/WUXGA/DVI 1920x1200 resolutions to any HD displays. The SB-5688CAP has 1x HDMI and Auxiliary Audio (analog stereo audio) connector for input, effectively making this an (8) in x (16) out switcher (same signal on both outputs). Using IR remote the switcher's HDBaseT Extender Transmitter (Tx) allows you to connect a source in a remote location. Likewise, the HDBaseT output and our HDBaseT Receiver allows you to connect a display in a remote location. The EDID management can be selected between seven (7) different modes. Control is provided via front panel push buttons, IR remote, RS-232 or TCP/IP (not a web-browser). An RS-232 Windows GUI interface is provided for matrix routing control (Windows only).

Zone control with 8 independent remote controls provide easy channel selection based on independent remotes.

For example: Remote 2 controls only video on Output number 2.

Also included is one master remote that operates all source and destination devices.

HDMI	HDBaseT	EDID	4K2K	AUX AUDIO	PoH	
SB-5688K	Yes	Yes	Yes	Yes		
SB-5688AK	Yes		Yes	Yes	Yes	
SB-5688CK	Yes	Yes	Yes	Yes		
SB-5688CAK	Yes	Yes	Yes	Yes	Yes	
SB-5688CAP	Yes	Yes	Yes	Yes	Yes	Yes

FEATURES

- (8)x HDMI with Auxiliary Audio (Analog Audio) player devices matrix switched to (8)x HDMI with S/PDIF outputs and (8)x HDBaseT Transmitter with PoH output to (8)x destinations
- Application HDBaseT specification with PoH 48VDC, IR, RS-232, Multi Audio Format and HD
- Video Signals over one CATx (6/6a/7) category cable
- HDMI digital video w/ embedded HDCP, DVI format and CEC/HDCP 2.0 compliant
- Worldwide control EDID modes for HDMI full 4K2K (24/30 Hz) HD video resolutions
- Link speeds of up to 6.75 Gbps (link clock rate of 340MHz), Supports HDMI 4K2K, 1.4a 3D formats
- Wide range of HD resolutions from PC XGA to WUXGA 1920x1200 and HDTV/DTV HDMI resolutions 480i/480p, 576i/576p, 720p, 1080i/p & 4K2K (24/30Hz)
- Compatible with all HDMI source devices, PC monitors, Plasma HD displays, HDTV and audio receivers or audio amplifiers
- Digital video TMDS formats resolutions up to 4K2K with Deep color 36-bit
- Digital Audio Support:
 - Dolby TrueHD
 - Dolby Digital
 - Dolby Digital Plug/ex
 - DTS
 - DTS-HD
 - DTS-HD Master
 - DTS-EX
 - PCM, PCM2, LPCM2
- Audio Input: Supports Auxiliary Audio (analog stereo audio)
- Audio Output: Support Digital Audio ARC or Digital Audio S/PDIF (from HDMI source or Auxiliary Audio)
- Various User Interface controls:
 - Windows based GUI control via RS-232 port
 - Front panel push button
 - IR wireless remote controller
 - Ethernet Switch control
 - Third party RS-232 controller (via simple ASCII)
- Support world wide (9)x control function keys:
 - Full function front panel controls: ARC / AUX/ ALL / OFF / EDID / LOCK / RECALL / MEMORY / ENTER
- Support EDID modes:
 - a. (7) Embedded EDID modes: FSS/ H24-3D/ H24-3D-M/ H36-3D/ H36-3D-M/ 4K2K-3D / DVI-D 1920x1200-60Hz
 - b. External modes : Learning mode-1 (Single Learning) & Learning mode-2 (Multiple Learning)
- Automatic scanning input & output status via LCM show on front panel
- Using the build-in booster, each HDMI output port is capable of driving cable lengths 1080p up to 98 ft (30M) & 4K2K up to 66 ft (20M)
- Supports IR Remote and IR Extender with distance up to ~ 984 ft (300M) Maximum
- Supports Universal power adaptor AC90V~AC240V, 50/60Hz