PLA88CS

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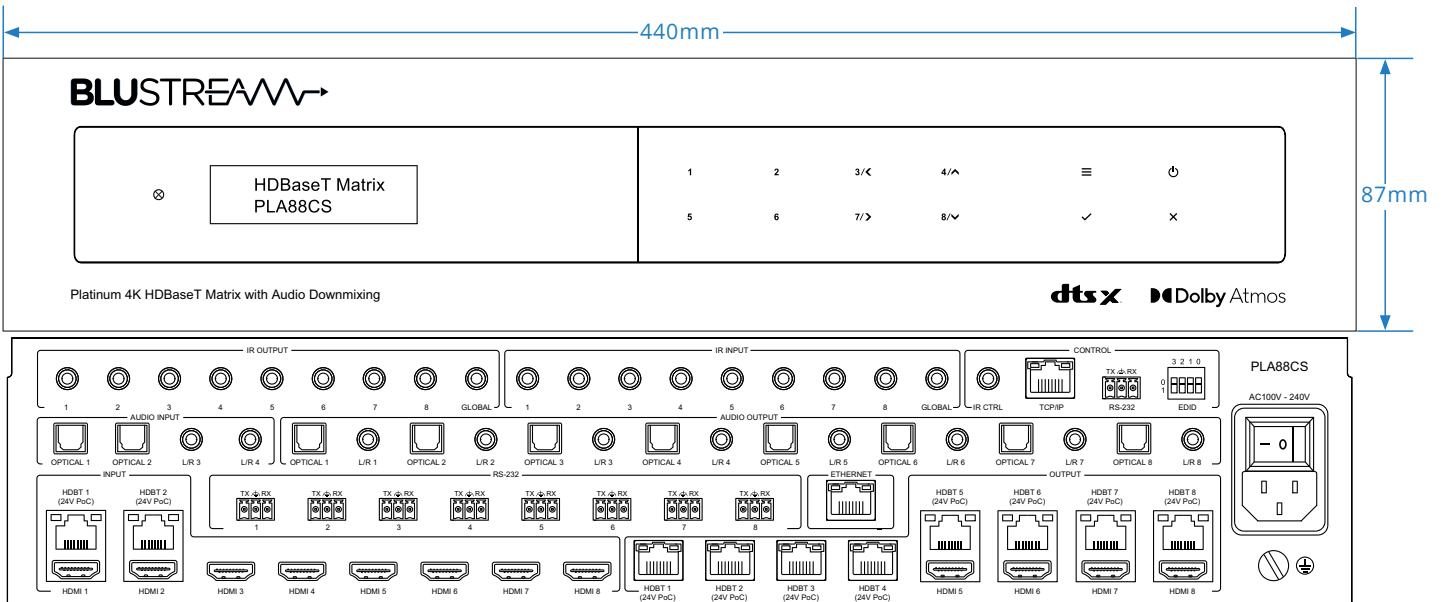# 8x8 4K HDMI 2.0 HDBaseT™ CSC AV Matrix with Audio Downmixing

Description

Our Platinum 8x8 HDBaseT™ CSC Matrix delivers a range of industry leading features.

The PLA88CS is a 4K HDMI 2.0 8x8 Matrix, transmitting HDMI, ARC, LAN, Bi-directional IR and RS-232 and PoC up to lengths of 150m (1080p) over a single CAT cable. Advanced optional features include dual HDMI and HDBaseT™ outputs featuring CSC for support of all the latest 4K resolutions including 4K 60 Hz 4:4:4 colour space & HDR with independent down-scaling of 4K video to allow those displays only capable of supporting lower video resolutions to receive 4K video while still showing maximum original 4K UHD resolution on the higher-definition displays.

The Matrix also provides advanced features including independent Dolby Audio & DTS Audio down mixing on HDMI and audio outputs allowing a mixture of different audio output formats for use with different audio capable displays and AV amplifiers.

The PLA88CS also includes independent audio routing, Audio Return Channel (ARC), audio delay for lip sync correction, bi-directional IR and RS-232 pass-through, and web-GUI for control and configuration.

[Icons: 4K 60Hz 4:4:4 | HDMI 2.0 | HDBT | VIDEO SCALING | AUDIO DOWNMIXING | ARC | LAN | LINE LEVEL VOLUME CONTROL | dts x | Dolby ATMOS | HDR | AUDIO BREAKOUT | OPTICAL AUDIO RETURN | BI-DIRECTIONAL CONTROL | CSC | PoC]

440mm

87mm

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HDBaseT Matrix
PLA88CS

1   2   3/‹   4/⌃   ≡   ⏻
5   6   7/›   8/⌄   ✓   ✕

Platinum 4K HDBaseT Matrix with Audio Downmixing

dts x   Dolby Atmos

IR OUTPUT — 1 2 3 4 5 6 7 8 GLOBAL
IR INPUT — 1 2 3 4 5 6 7 8 GLOBAL
CONTROL — IR CTRL, TCP/IP, TX/RX RS-232, EDID 3 2 1 0

PLA88CS
AC100V - 240V

AUDIO INPUT — OPTICAL 1, OPTICAL 2, L/R 3, L/R 4
AUDIO OUTPUT — OPTICAL 1, L/R 1, OPTICAL 2, L/R 2, OPTICAL 3, L/R 3, OPTICAL 4, L/R 4, OPTICAL 5, L/R 5, OPTICAL 6, L/R 6, OPTICAL 7, L/R 7, OPTICAL 8, L/R 8

INPUT — HDBT 1 (24V PoC), HDBT 2 (24V PoC), TX/RX RS-232 1 2 3 4 5 6 7 8
ETHERNET
OUTPUT — HDBT 5 (24V PoC), HDBT 6 (24V PoC), HDBT 7 (24V PoC), HDBT 8 (24V PoC)

HDMI 1, HDMI 2, HDMI 3, HDMI 4, HDMI 5, HDMI 6, HDMI 7, HDMI 8
HDBT 1 (24V PoC), HDBT 2 (24V PoC), HDBT 3 (24V PoC), HDBT 4 (24V PoC)
HDMI 5, HDMI 6, HDMI 7, HDMI 8

Key Features

- Advanced HDBaseT™ technology offering distribution of video and audio over a single CAT cable
- Advanced Colour Space Conversion (CSC) supports HDMI2.0 18Gbps specification including HDR
- Simultaneous HDBaseT™ and HDMI outputs to allow connection to dual displays per zone
- Extends HDMI up to distance of 150m at 1080p, and 4K UHD video up to 100m (up to 4K 60Hz 4:4:4)
- Features 8x HDMI inputs which can be independently routed to 8x HDBaseT™ + HDMI outputs
- Independent video scaling on outputs
- Independent Dolby Audio & DTS Audio down mixing on HDMI and audio outputs
- Up to 24x16 Audio Matrix independently controllable from video:-
- 8x independent analogue L/R audio inputs which can be routed to audio outputs or embedded onto HDBaseT™/ HDMI outputs

  - HDMI audio breakout to coaxial digital and analogue L/R audio

outputs with variable pre-amp line level control
- Supports ARC (Audio Return Channel) via HDMI or optical digital inputs from compatible RX150CS Receivers
- Supports Dolby Audio and DTS Audio breakout and down mixing from HDMI inputs to 2ch audio
- Supports all industry standard video resolutions including VGA-WUXGA and 480i-4K
- Bi-directional IR & RS-232 from all input and output locations (with compatible Transmitters & Receivers)
- Integrated Ethernet (100Mbps) switch (LAN Serving) when used with Blustream RX150CS Receivers
- Web interface module for control and configuration of Matrix
- Control of Matrix via front panel , IR, RS-232 and TCP/IP
- Supports PoC (Power over Cable) to power compatible RX150CS Receivers
- 3rd party drivers available for all major control brands
- HDCP 2.2 compliant with advanced EDID management
- 2U Design for 19" rack mount integration - mounting kit included

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SDVoE ALLIANCE | HDMI HIGH-DEFINITION MULTIMEDIA INTERFACE | HDBT | Dante | Dolby | dts

PLA88CS

Specifications

- **Casing Dimensions (W x H x D):** 440mm x 87mm x 361mm (without feet)
- **Shipping Weight:** 8.8kg
- **Operating Temperature:** 32°F to 104°F (0°C to +40°C)
- **Storage Temperature:** -4°F to 140°F (-20°C to +60°C)

NOTE: Specifications are subject to change without notice. Weights and dimensions are approximate.

Connectivity

- **Video Input Connectors:** 8 x HDMI Type A, 19-pin, female, 2 x HDBaseT™ RJ45 connectors
- **Video Output Connectors:** 1 x HDMI Type A, 19-pin, female, 8 x HDBaseT™ RJ45 connectors
- **Audio Input Connectors:** 2 x Analogue audio L/R (3.5mm stereo Jack), 2 x Optical (S/PDIF)
- **Audio Output Connectors:** 8 x Analogue audio L/R (3.5mm stereo Jack), 8 x Optical (S/PDIF)
- **RS-232 Serial Port:** 9 x 3-pin Phoenix connector
- **TCP/IP Control:** 1 x RJ45, female
- **Ethernet/Network:** 1 x RJ45, female
- **IR Input Ports:** 10 x 3.5mm stereo jack
- **IR Output Ports:** 9 x 3.5mm mono jack

Included Accessories

Power Supply	Internal 100-240V AC
Kit Accessories	1 x 2U Rack Height, Rack Ears Included

Regulatory Compliance

CE UKCA FC

CAN ICES-003(B) / NMB-003(B)

RoHS Compliant

BLUSTREAM SDVoE ALLIANCE HDMI HIGH-DEFINITION MULTIMEDIA INTERFACE HDBT Dante Dolby dts