

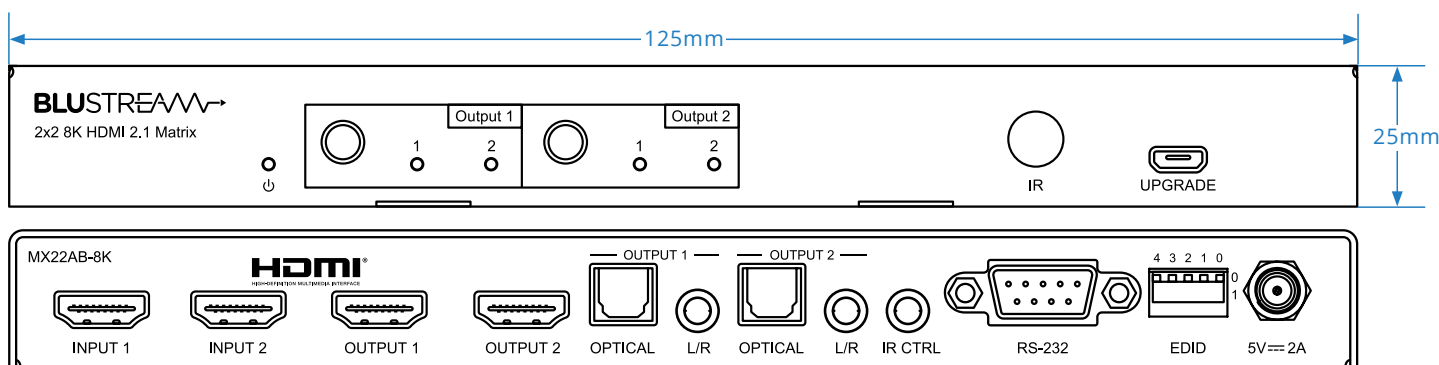
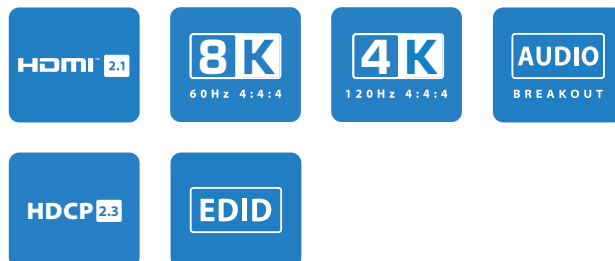
## 2x2 8K HDMI 2.1 Matrix

### Description

The MX22AB-8K HDMI2.1 matrix integrates source and display devices where the features and functionality of the HDMI2.1 chipset are being utilised for 8K 60Hz and 4K 120Hz signals.

Independent routing of 2 x HDMI input sources to 2 x HDMI2.1 displays, the MX22AB-8K can auto-switch based on either detecting a 5V hot plug, or a new TMDS signal; or be manually controlled using RS-232, IR, or from the units front panel.

Analogue and optical digital (S/PDIF) audio breakout allows for audio integration. The MX22AB-8K is HDCP2.3 compliant and has advanced EDID management of source devices connected.



### Key Features

- Features 2 x selectable HDMI2.1 inputs that can be independently routed to 2 x HDMI2.1 outputs
- Supports HDMI2.1 specification including HDR (40Gbps maximum)
- Supports up to 8K 60Hz YCbCr 4:2:0 10bit, 8K 30Hz RGB/YCbCr 4:4:4 10bit, or 4K 120Hz RGB/YCbCr 4:4:4 10bit
- Supports ALLM (Auto Low Latency Mode) & VRR (Variable Refresh Rate)
- Supports bitstream passthrough of multichannel surround sound including object-based audio formats in line with HDMI specifications.
- Auto HDMI source switching via 5V and / or TMDS signal sensing
- Manual HDMI source switching via front panel, IR and RS-232
- Audio breakout to analogue L/R audio and optical (S/PDIF) digital outputs concurrently
- 5V / 12V IR Compatible
- HDCP 2.3 compliant with advanced EDID management

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## Specifications

- **Dimensions (WxDxH):** 218mm x 94mm x 23mm, including connections, without feet (removable)
- **Shipping Weight:** 1.0kg
- **Operating Temperature:** 32°F to 104°F (0°C to 40°C)
- **Storage Temperature:** -4°F to 140°F (-20°C to 60°C)
- **Power Supply:** 1 x 5V/2A DC

## Connectivity

- **Video Input Connectors:** 2 x HDMI Type A, 19-pin, female
- **Video Output Connectors:** 2 x HDMI Type A, 19-pin, female
- **Audio Output Connectors:** 2 x Optical (S/PDIF) & 2 x Analogue audio L/R (3.5mm stereo jack)
- **IR Input Ports:** 1 x 3.5mm stereo jack
- **RS-232 Serial Port:** 1 x DB9, female

## Package Contents

- 1 x MX22AB-8K
- 1 x REM42 Remote Control
- 1 x 5V/2A DC Power Supply
- 1 x IR Receiver (IRR)
- 1 x Mounting Bracket Set
- 4 x Rubber Feet
- 1 x User Manual

## Regulatory Compliance



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