



QU-4-4K22

1 to 4 Full 4K HDMI Distribution Amplifier



This QU-4-4K22 is more than just a Distribution Amplifier, it provides high performance audio and video support including HDR and other features defined by the HDMI 2.0a specification. 4K UHD HDMI video sources, up to and including 4K@60Hz (4:4:4, 8-bit) as well as 10/12-bit sources with HDR, are able to be 'Split' to the 4 x HDMI outputs. Pass-through of multiple digital audio formats such as LPCM 7.1, Bitstream and advanced HD Bitstream with audio sampling rates up to 192kHz are also supported. An independent HDCP management engine for each output ensures stable HDCP performance.

When a mixture of displays with different specifications and resolutions are connected, each output can automatically scale 4K to 1080p or apply colour space conversion (4:4:4 to 4:2:0), as appropriate, based on each connected display's EDID requirements. CEC "active source" command can be enabled to periodically reset input selection on CEC compatible connected displays. This unit is controlled via front-panel switches with easy to read status LEDs.

PANELS

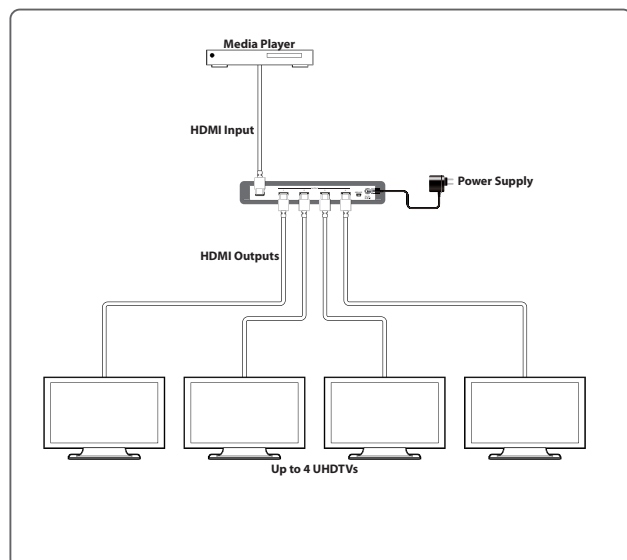


Front View



Rear View

DIAGRAM



FEATURES

- HDMI with HDR 6G (HDR10/Dolby Vision support), 3D & 4K@60Hz support, DVI 1.0 compatible
- HDCP 2.2 and HDCP backwards compatibility
- 1x HDMI input and 4 x HDMI outputs
- Supports up to 4K UHD (18Gbps, 4K@50/60Hz 4:4:4, 8-bit) video signals
- Supports current 10-bit and 12-bit HDR (High Dynamic Range) formats
- Supports pass-through of LPCM 7.1, Bitstream and advanced HD Bitstream audio formats
- Automatic 4K to 1080p down-scaling and colour space conversion (4:4:4 to 4:2:0) for each independent output based on each connected display's EDID
- Independent HDCP management engine for each output ensures stable HDCP performance
- Simple to use EDID management options
- Support for the CEC System Reset
- Controlled via front-panel switches

SPECIFICATIONS

Interfaces

Input Port	1 HDMI (Type A)
Output Port	4 HDMI
Service Port	1 USB (Mini B)

Video

HDMI Compliance	2.0
HDCP Compliance	2.x
Input Signal Type	4K@60 8-bit YUV 4:4:4, HDR10
Output Signal Type	4K@60 8-bit YUV 4:4:4, HDR10

Resolutions

Maximum Input	4096x2160p@60 YUV 4:4:4 8 bit
Maximum Output	4096x2160p@60 YUV 4:4:4 8 bit

Audio

HDMI	LPCM (8 CH), Bitstream, HD Bitstream
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Power

Power Supply	5V/2.6A DC (Locking)
Power Consumption	3.08W

Enclosure

Chassis Material	Metal (Steel)
Chassis Colour	Black
Dimensions (WxHxD)	231.5mmx25mmx108mm [Case Only] 231.5mmx30mmx117mm [All Inclusive]
Weight	608g

Field Firmware Update

USB to PC

ORDERING INFORMATION

Model No.	Product Description
QU-4-4K22	1 to 4 Full 4K HDMI Distribution Amplifier