

SPLITTERS · HDMI SPLITTER

BLU-HDM-DA14

One source, two screens. 4K60 with audio breakout.

An 18Gbps HDMI 1x2 splitter that distributes one HDMI source to two displays at up to 4K2K@50/60Hz (4:4:4). Audio extracts to optical and analog output, each HDMI output has a bypass / 4K → 1080P downscaler dial switch, and EDID is selectable COPY or AUTO.



1 x 2

HDMI SPLITTER

18Gbps

VIDEO BANDWIDTH

4K2K@60Hz

4:4:4

4K→1080P

DOWNSCALER

COPY/AUTO

EDID

SPECIFICATION SUMMARY

Type	HDMI 1x2 Splitter
HDMI Compliance	HDMI 2.0b
HDCP Compliance	HDCP 2.2 and HDCP 1.4
Video Bandwidth	18Gbps
Max Resolution	4K2K@50/60Hz (4:4:4)
Downscaler	4K->1080P, per output
Audio extract	Optical + Analog L/R
EDID	COPY / AUTO (dial switch)
Dimensions	120x62.5x14mm
Power	DC 5V/1A, 2.8W

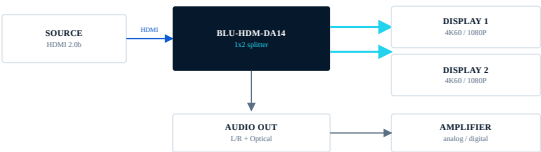
CONTENTS

01	Overview	02
02	Specifications	03
03	Interfaces & control	04
04	Application example	05

KEY FEATURES

- HDMI 2.0b, HDCP2.2/HDCP1.4 compliant
- Support 18Gbps video bandwidth
- Digital and analog audio extract
- Signal bypass and 4K->1080P downscaler

1 source to 2 displays. The 18Gbps HDMI 1x2 Splitter can distribute 1 HDMI source signal to 2 HDMI display devices. All output ports support signal bypass and video downscaler (4K->1080P) function via the dial switch on panel.



ONE SOURCE, TWO SCREENS · AUDIO EXTRACTED TO OPTICAL AND ANALOG

01 Overview

What the splitter does, and how the panel dial switches work.

The **18Gbps HDMI 1x2 Splitter** can distribute 1 HDMI source signal to 2 HDMI display devices. It supports resolution up to **4K2K@50/60Hz (4:4:4)**. This product supports audio extract from HDMI source to **optical and analog output**. Two EDID modes (**COPY/AUTO**) can be selected. All output ports support **signal bypass and video downscaler (4K->1080P)** function.

FEATURES

- HDMI 2.0b, HDCP2.2/HDCP1.4 compliant
- Support 18Gbps video bandwidth
- Support video resolution up to 4K2K@50/60Hz (4:4:4)
- Support digital and analog audio extract output from HDMI source
- Output ports support signal bypass and 4K->1080P downscaler function via the dial switch on panel
- EDID can be selected COPY and AUTO modes via the dial switch on panel
- Support HDMI audio format: LPCM, Dolby Digital/Plus/EX, Dolby True HD, DTS, DTS-EX, DTS-96/24, DTS High Res, DTS-HD Master Audio, DSD

AT A GLANCE

Type 1x2	HDMI 2.0b	HDCP 2.2/1.4
BW 18Gbps	Max 4K60 4:4:4	Scaler 4K->1080P
Audio Optical + L/R	EDID COPY/AUTO	

PANEL DIAL SWITCHES

- Each HDMI output has a dial switch to select **signal bypass** or **4K->1080P downscaler**
- A dial switch selects EDID **COPY** or **AUTO** mode
- Downscaler lets a 4K source drive a 1080P display on that output

02 Specifications

Technical, connection, mechanical and environmental figures.

TECHNICAL

HDMI Compliance	HDMI 2.0b
HDCP Compliance	HDCP 2.2 and HDCP 1.4
Video Bandwidth	18Gbps
Video Resolution	720P50/60Hz, 1080P50/60Hz, 4K2K24Hz, 4K2K30Hz, 4K2K@50/60Hz (4:4:4)
Color Space	RGB, YCbCr 4:4:4, YCbCr 4:2:2
Color Depth	8-bit (4K60Hz), 12-bit (1080P)
HDMI Audio Formats	LPCM, Dolby Digital/Plus/EX, Dolby True HD, DTS, DTS-EX, DTS-96/24, DTS High Res, DTS-HD Master Audio, DSD
L/R Audio Formats	PCM 2.0
Optical Audio Formats	LPCM [2.0/2.1]CH, Dolby 5.1, Dolby True HD, Dolby DD+, DTS5.1, DTS-ES 6, DTS-HDMA 5.1, DTS HD-HRA 5.1
ESD Protection	Human body model: ±8kV (Air-gap discharge) ±4kV (Contact discharge)

CONNECTIONS

Input Port	1x HDMI Type A (19-pin female)
Output Ports	2x HDMI Type A [19-pin female] 1x L/R Audio out [3.5mm Stereo Mini-jack] 1x Optical out [S/PDIF]

MECHANICAL

Housing	Metal Enclosure
Silkscreen Color	Black
Dimensions	120mm(W) x 62.5mm(D) x 14mm(H)
Weight	166g

POWER

Power Supply	Input: AC100~240V 50/60Hz Output: DC5V/1A (US/EU standards, CE/FCC/UL certified)
Power Consumption	2.8W

ENVIRONMENT

Operation Temperature	14°F - 122°F / -10°C - 50°C
Storage Temperature	-4°F - 140°F / -20°C - 60°C
Relative Humidity	20 - 90% RH (no condensation)

03 Interfaces & control

Every connector on the unit, and the panel dial switches.



REAR PANEL · TWO HDMI OUTPUTS, OPTICAL AND L/R AUDIO, HDMI IN, DC 5V

1	HDMI OUT1	HDMI output, Type A (19-pin female). Connect to a display device. Supports signal bypass and 4K->1080P downscaler via the panel dial switch.
2	HDMI OUT2	HDMI output, Type A (19-pin female). Connect to a display device. Supports signal bypass and 4K->1080P downscaler via the panel dial switch.
3	OPTICAL OUT	Digital audio output, S/PDIF. Audio extracted from the HDMI source.
4	L/R OUT	Analog audio output, 3.5mm Stereo Mini-jack. Audio extracted from the HDMI source (PCM 2.0).
5	HDMI IN	HDMI source input, Type A (19-pin female). Connect to an HDMI source device.
6	DC 5V	Power input. Connect the DC5V/1A power adapter (AC100~240V 50/60Hz input).



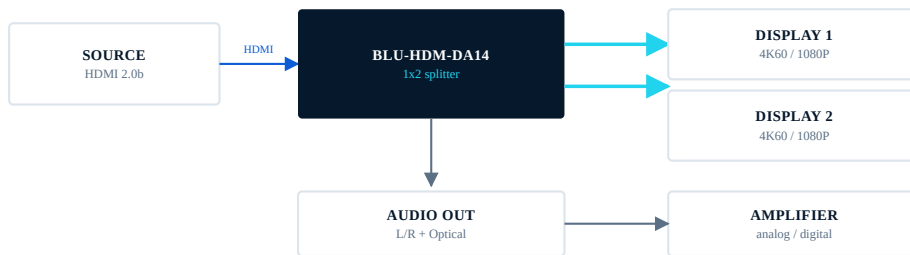
FRONT PANEL · STATUS LEDS, SERVICE PORT, EDID AND 4K->1080P DIAL SWITCHES

Bypass / downscaler. Output ports support signal bypass and 4K->1080P downscaler function via the dial switch on panel — set each output to match its display.

EDID. Two EDID modes (COPY/AUTO) can be selected via the dial switch on panel.

04 Application example

One source to two displays, with audio extracted to analog and optical.



One source, two screens. Distribute 1 HDMI source signal to 2 HDMI display devices at up to 4K2K@50/60Hz (4:4:4).

Audio breakout. Audio extracts from the HDMI source to optical (S/PDIF) and analog L/R output.

ORDERING

BLU-HDM-DA14

1x2 4K60 HDMI Splitter (4K to 2K / Audio Breakout) — HDMI 2.0b, HDCP 2.2/1.4, 18Gbps, 4K2K@50/60Hz (4:4:4), signal bypass and 4K->1080P downscaler, optical and analog audio extract, COPY/AUTO EDID

bluKnot

The terms HDMI, HDMI High-Definition Multimedia Interface, and the HDMI Logo are trademarks or registered trademarks of HDMI Licensing Administrator, Inc. BluKnot is a registered trademark of Bronx Systems India Private Limited. www.bronx.co.in · admin@bronx.co.in · sales@bronx.co.in