

DVDO

DVDO-HDMI-MGR-1

4K HDMI Manager



DVDO



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1. Introduction

DVDO-HDMI-MGR-1 is an 18Gbps HDMI manager with EDID&HDCP management. It supports up to 4K@60 4:4:4 and HDCP2.2. The product is powered by HDMI or USB-C, and it supports auto-downscaling.

2. Features

- 18Gbps HDMI 2.0
4K@60 4:4:4 HDCP2.2
- Supports EDID&HDCP management
- Powered by HDMI or USB-C
- CEC block switch

3. Package

1x DVDO-HDMI-MGR-1

1x User Manual

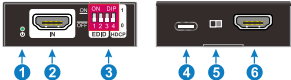
4. Specifications

Video Input	
Input	(1) HDMI 2.0
Input Connector	(1) Female type-A HDMI
HDMI Input Resolution	Up to 4K@60 4:4:4
Video Output	
Output	(1) HDMI 2.0

Output Connector	(1) Female type-A HDMI
HDMI Output Resolution	Up to 4K@60 4:4:4
General	
Bandwidth	18Gbps
Power Supply	5V 1A
Power	2.4W(MAX)
Dimension	54x18x60mm

Net Weight	85g
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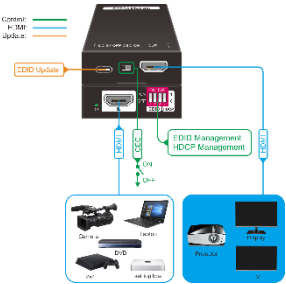
5. Panel Description



1. Power LED: The LED indicates green when power on.
2. HDMI IN: HDMI2.0 input, connect to source.

3. DIP Switch: 4-pin dip switch for EDID and HDCP management.
4. USB-C: USB-C is used to power the machine, upload EDID and firmware upgrade.
5. CEC Switch: Turn on/off the CEC
6. HDMI OUT: HDMI 2.0 output, connect to display.

6. System Diagram



7. Management

Predefined EDID Setting

Switch Status	Video Resolution	Audio Format
000	obtain the Display EDID	
001	1080p	LPCM
010	1080p	DTS/Dolby
011	3840x2160@30Hz HDR	LPCM
100	3840x2160@30Hz HDR	DTS/Dolby
101	3840x2160@60Hz HDR	LPCM
110	3840x2160@60Hz HDR	DTS/Dolby
111	user defined EDID	

User Defined EDID Setting

- 1) Rename the user defined EDID as follow:

0803C000.DAT

- 2) Connect the machine to the PC and the PC will detect a U-disk named "BOOTDISK".
- 3) Copy the EDID file into the U-disk, and then open the U-disk. If there is a SUCCESS.TXT file, it means that the EDID

upload is successful.

- 4) Power on the machine.

HDCP management

Status	HDCP Function
1	Show identification code to Source that no HDCP is supported by the device, then the source will assume

	that no HDCP is supported by the device and will send the content without HDCP encryption if the signal format allows it.
0	Switch off HDCP management

8. Upgrade

- 1) Rename the upgrade file according as follow:

08009000.APP

- 2) Connect DVDO-HDMI-MGR-1 to the PC with USB cable, the PC will detect a U-disk named "BOOTDISK".

- 3) Copy the file into the U-disk, and then open the U-disk. If there is a SUCCESS.TXT file, it means upgrade is successful, and if there is an UNKNOWN.TXT file, it means fail.

