



XD-3000

HDMI™ 4K to 1080p
Downscaler



1. Introduction

XD-3000 is an advanced 18Gbps HDMI downscaler designed for smooth and reliable signal control. It supports ultra-clear 4K@60Hz (4:4:4) resolution and HDCP 2.2 compliance for maximum compatibility. The device can be powered through HDMI or USB-C, and it features automatic downscaling, making it easy to connect different display

types without hassle.

2. Feature

- **18Gbps HDMI 2.0** – Supports 4K@60Hz (4:4:4) & HDCP 2.2;
- **EDID & HDCP Management** – Ensures stable device compatibility.
- **Power Options** – Via HDMI or USB-C for

flexible setup.

CEC Block Switch – Enables seamless control integration.

3. Package

- 1x XD-3000
- 1x User Manual

4. Specification

Video Input

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

Video Output

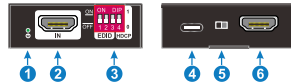
Output	(1) HDMI 2.0
Output Connector	(1) Female type-A HDMI

HDMI Output Resolution	Up to 4K@60 4:4:4
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General

Bandwidth	18Gbps
Power Supply	5V 1A
Power Consumption	2.4W(MAX)
Dimension (W*H*D)	54x18x60mm
Net Weight	85g

5. Panel Description

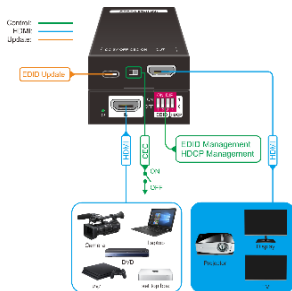


1. Power LED: The LED will light up when the device is powered on.
2. HDMI IN: Connect a media device such as DVD player, streaming device, etc.
3. DIP Switch: 4-pin switch

for EDID and HDCP settings.

4. USB-C: Used for power input, EDID upload, and firmware upgrades.
5. CEC Switch: Enable or disable CEC functionality.
6. HDMI OUT: Connect a display device such as TV, Monitor, etc.

6. System Diagram



7. Management

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	

Predefined EDID Setting

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 an identify 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 as follow:

08009000.APP

- 2) Connect the XD-3000 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 the update failed.

Still have some questions?

Our experienced Technical Support Team is here to answer your questions, give technical advice or help troubleshoot.

Call, email or chat with us now. OREI Live Technical Support Hours US team:
Monday-Friday, 9 a.m. - 5 p.m. Central Time
Support Email - info@orei.com |
Support Number - 877-290-5530

