

PureLink

Digital Extender®

HC-HD1

HDMI to DVI Converter



HDMI™
HIGH DEFINITION MULTIMEDIA INTERFACE

Cautions:

1. Purelink logo is our own trademark of Dtrovision LLC.
2. HDMI is a trademark of hdmi.org
3. Any of the products may be changed without any notice in order to improve the function of the product.
4. The design and specification of the product may be changed without any prior notice.

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Unpacking

Each HDMI to DVI Converter package includes the following items;

- HDC Unit
- 5V Power Adapter: 1 pcs
- User manual

General Specification

- HDMI to DVI Converter (HC-HD1) is designed to convert HDMI to DVI+Audio
- Owing to its compact size and low power design, HC-HD1 easily sends HDMI full HD (1920x1080p) to monitors, PDP, and projectors
- Once HC-HD1 is installed, DVI displays, which have been commonly used at company, house, and factory, can also show signals from full HD sources such as Blu-ray player and PS3.
- HDCP Compliant

ITEM	DESCRIPTION
Model Name	HC-HD1
Input Signal	Digital Video and Audio combined signal (HDMI)
Output Signal	Digital Video (DVI), Digital Audio (SPDIF)
Resolution	VGA~WUXGA 480p~1080i/p
Receptacle	DC Power Jack HDMI 19 Pin Female DVI 29 Pin Female
Interface	HDMI Ver 1.3 DDWG DVI 1.0
Power Consumption	DC 5V Power Adapter(Included) Max 5 W
Dimension	90x103x30 mm
Weight	0.3 Kg

1-2 General Specification

Environmental and Reliability Specifications

Recommended environmental conditions for the operation are temperature range of 10°C~40°C, non-condensing humidity levels of 10%-80%, and altitude ceiling of 3,000 meters (9,840 feet).

Environmental limits for transportation are temperature range of -25°C~60°C, non-condensing humidity levels of 5%~95%, and altitude ceiling of 15,000 meters (49,200feet)

Environmental limits for storage are established at temperature range of -20°C~45°C, non-condensing humidity levels of 5%~95%, and altitude ceiling of 3,000 meters (9,840 feet)

The HDMI to DVI Converters expected to function for more than 50,000 hours of use at a 90% confidence level. The device is tested according to the identical standards for testing LCD monitors.

Main Features

High Quality Picture-No Signal Loss and Digital Noise Free

Our HC-HD1 is designed to deliver the highest quality picture preserving the native resolutions of the video sources without any signal loss. At the same time, the digital noises that may affect the picture quality will be eliminated. Due to the nature of the digital signals and passing through multiple stack of connection, it is important to eliminate the digital noises and boost the signal strength to preserve/enhance the video signal quality, which HC-HD1 does.

Signal Amplification for signal reliability and long length signal transmission

HC-HD1 uses internal or external DC 5V power to run an internal chipset, which was designed to transmit high quality visual signal to long distance.

Compact and Practical Design

- The HC-HD1 is designed compactly and practically allowing customers more ease and convenience

Full HD without changing display

- With previously used DVI display user can enjoy full HD from new source device without quality degradation

HDCP (High-bandwidth Digital Content Protection)

- HC-HD1 fully supports HDCP
- Currently every digital visual product sends high resolution signal with HDCP signal. You cannot see the picture if the product is not compliant to HDCP.

Compliance to HDMI Ver 1.3a

- HC-HD1 fully supports the latest HDMI Ver 1.3a with deep color 36bit

Video Connection

Step 1: Ensure the digital video source and display is turned off

Step 2: Connect the HDMI, DVI, and audio cable

Step 3: Connect power adapter jack

Step 5: Turn on the display

Step 6: Turn on the source

EDID data saving

EDID Default is set as 1080P. If you want to change the EDID data, please follow these steps.

Step 1: Connect DVI output port to display

Step 2: Turn on the display and push EDID S/W for 2~3 seconds

Step 3: EDID LED is illuminated for about 2 second if EDID was saved correctly

- If EDID was not saved correctly, EDID LED blinks 5~6 times. Please try again after checking the connection of cables and the power of display
- EDID saving is to display the best resolution between the video source and the display
- If you use AV Receiver should EDID save from AV Receiver
- If your AV Receiver does not have HDMI port, you should save EDID from display it supports multi-channel audio.

1-5 Video Connection

Mechanical Specification

Dimension: 90x103x30 mm



Front part

DC 5V: DC 5V power input port

POWER LED: display the status of power

VIDEO LED: display the status of signal input

HDMI In: HDMI Input port

EDID S/W: EDID operation switch

EDID LED: display the status of EDID operation

Rear part

DVI OUT: DVI output port

AUDIO OUT: digital audio (SPDIF) output port

Technical Specification

Data transmission speed: 2.25 Gbps (Single Link)

Digital Video Bandwidth: 25~165 MHz

Resolution: Up to WUXGA (1920*1200) 480P~1080i/P

Input/output signal standard: Digital RGB, TMDS

Input connector type: HDMI Female 19P

Output connector type: DVI-D Female 29P / RCA JACK

Power consumption: 5 Watts Max.

Power supply: DC 5V, 2A

Warranty Information

2 (Two) Years Warranty

Dtrovision LLC warrants this HDMI to DVI Converter to be free from defects in workmanship and materials, under normal use and service, for a period of two (2) years from the date of purchase from Dtrovision LLC or its authorized resellers.

If a product does not work as warranted during the applicable warranty period, Dtrovision LLC shall, at its option and expense, repair the defective product or part, deliver to customer an equivalent product or part to replace the defective item, or refund to customer the purchase price paid for the defective product.

All products that are replaced will become the property of Dtrovision LLC.

Replacement products may be new or reconditioned.

Any replaced or repaired product or part has a ninety (90) day warranty or the remainder of the initial warranty period, whichever is longer.

Dtrovision LLC. shall not be responsible for any software, firmware, information, or memory data of customer contained in, stored on, or integrated with any products returned to Dtrovision LLC for repair under warranty or not.

Warranty Limitation and Exclusion

Dtrovision LLC shall have no further obligation under the foregoing limited warranty if the product has been damaged due to abuse, misuse, neglect, accident, unusual physical or electrical stress, unauthorized modifications, tampering, alterations, or service other than by Dtrovision LLC or its authorized agents, causes other than from ordinary use or failure to properly use the product in the application for which said product is intended.

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