



HOME
THEATER



HDMI®
HIGH-DEFINITION MULTIMEDIA INTERFACE



HDMI® HDBaseT
Extender

Vanco Part Number:
280726

Technical Support

www.vanco1.com • info@vanco1.com • 800-626-6445

DEAR CUSTOMER

Thank you for purchasing this product.
For optimum performance and safety, please
read these instructions carefully before
connecting, operating or adjusting this product.
Please keep this manual for future reference.

This product is 100% inspected and tested in the United States to verify HDMI performance parameters.

WARNING

1. Do not expose this unit to water, moisture, or excessive humidity.
2. Do not install or place this unit in a built-in cabinet, or other confined space without adequate ventilation.
3. To prevent risk of electrical shock or fire hazard, due to overheating, do not obstruct unit's ventilation openings.
4. Do not install near any source of heat, including other units that may produce heat.
5. Do not place unit near flames.
6. Only clean unit with a dry cloth.
7. Unplug unit during lightening storms, or when not used for an extended period of time. A surge protector is strongly recommended.
8. Protect the power cord from being walked on or pinched, particularly at the plugs.
9. Use unit only with accessories specified by the manufacturer.
10. Refer all servicing to qualified personnel.

CAUTION

HDMI is a very complex technology requiring continuous authentication of the signal and the same video resolution and audio settings on all electronic equipment in the system. When there are multiple sources and displays, the video resolution and audio setting on all connected units must be adjusted to correspond with that of the display having the lowest video and audio capability.

Please note that in an indoor environment, the radio frequency signal bounces off the walls, floors and ceiling and may be diminished in strength when passing through interior walls. Also, in congested areas it is also possible to get interference from other signals operating in the 5 GHz band. Sometimes, the transmitter or receiver units may need to be moved slightly to optimize performance if the current location is in an area where reflected radio signals may be cancelling each other out.

FEATURES

Vanco's HDBaseT Extender consists of a transmitter and a receiver, which can support up to a 100 meter distance (328 ft) between the transmitter and the receiver by utilizing a single Cat 5e or Cat 6 UTP cable. This extender includes an IR system which allows for IR control of the source from the display. The extender supports HDMI 1080p and 3-D signals, 24 bit/36 bit deep color and various audio formats including Dolby.

The HD Base T technology utilized allows the HDMI audio and video signals to travel over a single Cat 5e or Cat 6 UTP cable from the transmitter to the receiver. The UTP also transports the IR control commands from the display to the source and a 100 Mb/s Ethernet signal.

This HDMI Extender offers a comprehensive solution for extending the reach in a digital entertainment center, HDTV retail or show site installation, STB, DVD and projector delivery. It effectively addresses noise, space and security concerns and facilitates data center control, information distribution, conference room presentations and supports school and corporate training environments.

More information on HD Base T technology can be provided by the HD Base T Alliance at www.hdbaset.org. This technology supports HD video, audio, Ethernet, power and a broad range of control capabilities.

HDMI® HDBaseT Extender

Part # 280726

- Features HDBaseT Technology, optimized for whole-home or commercial distribution of uncompressed high-definition signals at three times the distance of HDMI cables without degradation
- HDBaseT can connect uncompressed full HD digital video, audio, 100BaseT Ethernet, and various control signals through a single 100m/328ft CAT5e/6 cable with RJ45 connectors
- Transmission Range: Extends 1080p resolutions up 328 ft over a single Cat 5e or Cat 6 cable
- Reading and saving EDID function from displays
- HDBaseT Technology that supports 3D and 4K x 2K
- Uncompressed video/audio up to 10.2 Gbps
- FullHD1080P/ 120Hz
- HDCP compliant
- Supports Digital Audio Format, DTS-HD/Dolby-True HD/LPCM7.1/AC3/DTS/DSD
- Supports Standard IR, includes 1 IR TX and 1 IR RX
- Tested for Compatibility with all leading HD Video brands
- Tested with 7.1 Home Theater Systems
- 2 5V DC Power Supplies
- Dimensions for TX and RX: 4.4" W x .9" H x 3" D

SPECIFICATIONS

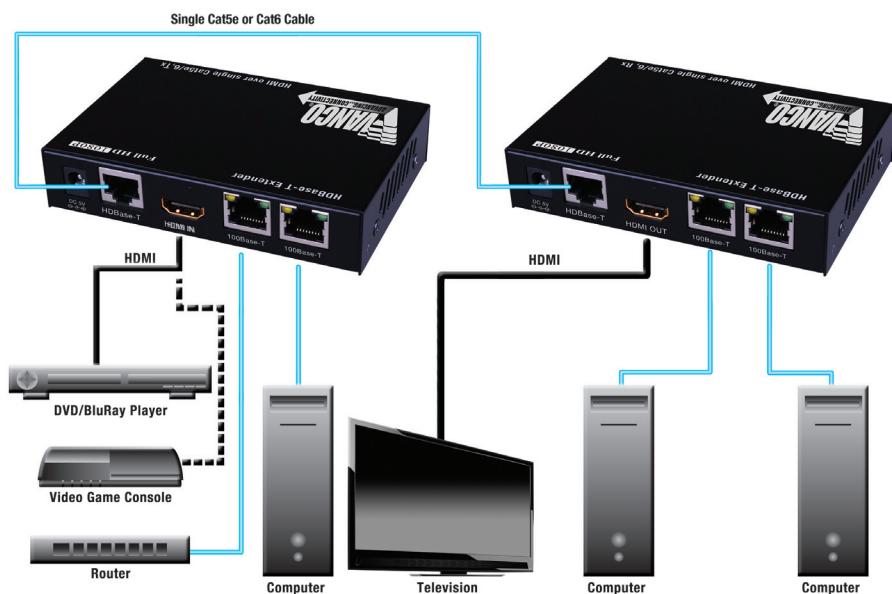
HDMI version	High Speed with 3D support
HDCP version	HDCP1.2
Support HDMI resolution	1080P/1080i/720P/576i/576P/480P/480i
Support video color bit	deep color 24bit/36bit
Support audio format	LPCM/Dolby-AC3/DTS7.1/DSD
Input Video signal	5.0Volts/P-P
Output cable distance.....	≤5m (16 ft)
Input cable distance	≤5m (16 ft)
Data transfer speed.....	6.75Gbps-10.2Gbps
Operating Humidity range	5 to 90%RH (No Condensation)
Operating Temperature range.....	-15 to +55 C; 5 to 131 F
Power adapter format	Input AC (50Hz.60Hz)100-240V
Power Supply	2 DC 5V

PACKAGE CONTENTS

Before attempting to use this unit, please check the packaging and make sure the following items are contained in the shipping carton:

- 1 Transmitter
- 1 Receiver
- 2 5 VDC Power Supplies
- IR TX and RX emitters
- 1 Product Manual

CONNECT AND OPERATE



1. Connect the signal source (such as HD-DVD, PS3, STB) to transmitter using the HDMI In port with a HDMI output interface.
2. Connect the display device (such as HD-LCD, HD-DLP) to receiver using HDMI Out port with a HDMI input interface.
3. Connect the EIA/TIA 568B one long CAT5e/6 cable to the transmitter output RJ-45 jack.
4. Connect the EIA-TIA 568B one long CAT5e/6 cables to the receiver input RJ-45 jack.
5. Connect LCD with HDMI interface to the receiver HDMI output.
6. Each transmitter and receiver is powered by an external power supply which should be plugged in.

LIABILITY STATEMENT

Every effort has been made to ensure that this product is free of defects. The manufacturer of this product cannot be held liable for the use of this hardware or any direct or indirect consequential damages arising from its use. It is the responsibility of the user and installer of the hardware to check that it is suitable for their requirements and that it is installed correctly. All rights are reserved. No parts of this manual may be reproduced or transmitted by any form or means electronic or mechanical, including photocopying, recording or by any information storage or retrieval system without the written consent of the publisher.

Manufacturer reserves the right to revise any of its hardware and software following its policy to modify and/or improve its products where necessary or desirable. This statement does not affect the legal rights of the user in any way.

LIMITED WARRANTY

With the exceptions noted in the next paragraph, Vanco warrants to the original purchaser that the equipment it manufactures or sells will be free from defects in materials and workmanship for a period of one year from the date of purchase. Should this product, in Vanco's opinion, prove defective within this warranty period, Vanco, at its option, will repair or replace this product without charge. Any defective parts replaced become the property of Vanco. This warranty does not apply to those products which have been damaged due to accident, unauthorized alterations, improper repair, modifications, inadequate maintenance and care, or use in any manner for which the product was not originally intended.

Items integrated into Vanco products that are made by other manufacturers, notably computer hard drives and liquid crystal display panels, are limited to the term of the warranty offered by the respective manufacturers. Such specific warranties are available upon request to Vanco. A surge protector, power conditioner unit, or a uninterruptible power supply must be installed in the electrical circuit to protect against power surges.

If repairs are needed during the warranty period the purchaser will be required to provide a sales receipt or other acceptable proof of purchase to the seller of this equipment. The seller will then contact Vanco regarding warranty repair or replacement.

TECHNICAL SUPPORT

In case of problems, please contact Vanco Technical Support by e-mail at support@Vanco1.com or call 1-800-626-6445 between the hours of 8am and 5pm central US time zone on Monday through Friday.

When calling, please have the Model Number, Serial Number (affixed to the bottom of the unit) and Invoice available for reference during the call.

Please read this Instruction Manual prior to calling or installing this unit, since it will familiarize you with the capabilities of this product and its proper installation.

All active electronic products are 100% inspected and tested to insure highest product quality and trouble-free installation and operation. The testing process utilizes the types of high-definition sources and displays typically installed for entertainment and home theater applications.

For additional information, such as helpful installation videos, glossary of terms, etc. please visit www.vanco1.com

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