



CDVI-513TXL/RXL

DVI over CAT5e/6 Extender



Operation Manual



DISCLAIMERS

The information in this manual has been carefully checked and is believed to be accurate. Cypress Technology assumes no responsibility for any infringements of patents or other rights of third parties which may result from its use.

Cypress Technology assumes no responsibility for any inaccuracies that may be contained in this document. Cypress also makes no commitment to update or to keep current the information contained in this document.

Cypress Technology reserves the right to make improvements to this document and/or product at any time and without notice.

COPYRIGHT NOTICE

No part of this document may be reproduced, transmitted, transcribed, stored in a retrieval system, or any of its part translated into any language or computer file, in any form or by any means—electronic, mechanical, magnetic, optical, chemical, manual, or otherwise—without express written permission and consent from Cypress Technology.

© Copyright 2012 by Cypress Technology.

All Rights Reserved.

Version 1.1 August 2011

TRADEMARK ACKNOWLEDGMENTS

All products or service names mentioned in this document may be trademarks of the companies with which they are associated.



SAFETY PRECAUTIONS

Please read all instructions before attempting to unpack, install or operate this equipment and before connecting the power supply.

Please keep the following in mind as you unpack and install this equipment:

- Always follow basic safety precautions to reduce the risk of fire, electrical shock and injury to persons.
- To prevent fire or shock hazard, do not expose the unit to rain, moisture or install this product near water.
- Never spill liquid of any kind on or into this product.
- Never push an object of any kind into this product through any openings or empty slots in the unit, as you may damage parts inside the unit.
- Do not attach the power supply cabling to building surfaces.
- Use only the supplied power supply unit (PSU). Do not use the PSU if it is damaged.
- Do not allow anything to rest on the power cabling or allow any weight to be placed upon it or any person walk on it.
- To protect the unit from overheating, do not block any vents or openings in the unit housing that provide ventilation and allow for sufficient space for air to circulate around the unit.

REVISION HISTORY

VERSION NO.	DATE DD/MM/YY	SUMMARY OF CHANGE
VR0	04/10/12	Preliminary Release





CONTENTS

1. Introduction	1
2. Applications	1
3. Package Contents	1
4. System Requirements	1
5. Features	2
6. Operation Controls and Functions	3
6.1 Transmitter Front and Rear Panels.....	3
6.2 Receiver Front and Rear Panels	4
6.3 Transmitter and Receiver Top Panels..	4
7. Connection Diagram	5
8. Specifications	6
9. Acronyms	7



1. INTRODUCTION

The DVI Extender over single CAT5e/6 allows for a more efficient system setup and is easy to install.

Uncompressed video and audio can be transmitted to distances of up to 60 meters at 1080p and 3D with High-Definition Audio up to 7.1CH (with HDMI to DVI adaptor).

Designed with HDBaseT technology for greater flexibility in custom installations with full DVI signal transfer over a single CAT5e/6 cable.

2. APPLICATIONS

- Residential entertainment Installations
- University lecture room display
- Retail sales display
- Meeting room presentation
- Commercial advertising display

3. PACKAGE CONTENTS

- 1×DVI over CAT5e/6 Transmitter
- 1×DVI over CAT5e.6 Receiver
- 2×5V/2.6A DC Power Adaptor
- Operation Manual

4. SYSTEM REQUIREMENTS

DVI source equipment such as DVD/Blu-ray player/PC and TV/monitor/projector with DVI input and DVI and CAT5e/6 cables.

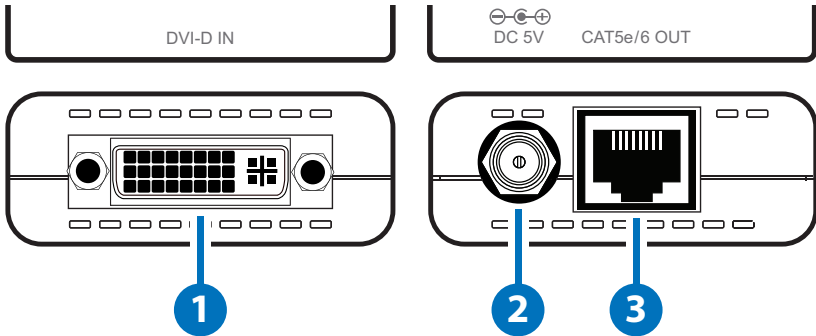


5. FEATURES

- Complies with the HDBaseT-Lite class
- Supports HDMI (including HDCP with HDMI to DVI adaptor) over a single CAT5e/6 up to 60m
- Full HD resolution support (1080p@60Hz/36-bit) and PC resolution support (VGA to WUXGA) over CAT5e/6 cable
- Supports High Definition LPCM 7.1CH, Dolby TrueHD, Dolby Digital Plus and DTS-HD Master Audio transmission
- Compact size with stylish design

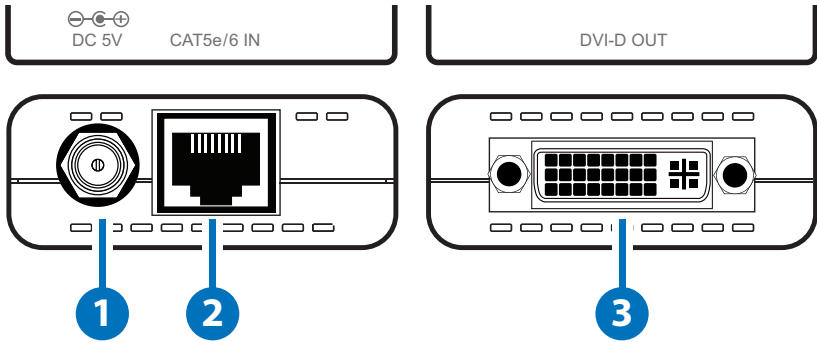
6. OPERATION CONTROLS AND FUNCTIONS

6.1 Transmitter Front and Rear Panels



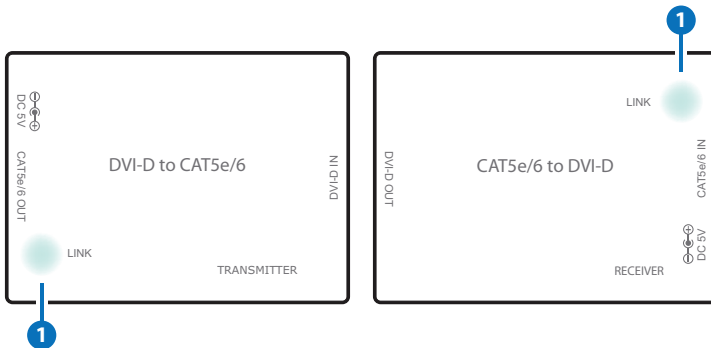
- 1 DVI IN:** Connect to the DVI source device such as a DVD player or PC/Laptop with DVI cable.
- 2 DC 5V:** Connect the 5V DC power supply into the unit and Plug the adaptor to an AC outlet.
- 3 CAT5e/6 OUT:** Connect to the receiver unit with a single CAT5e/6 cable to receive all data signals.

6.2 Receiver Front and Rear Panels



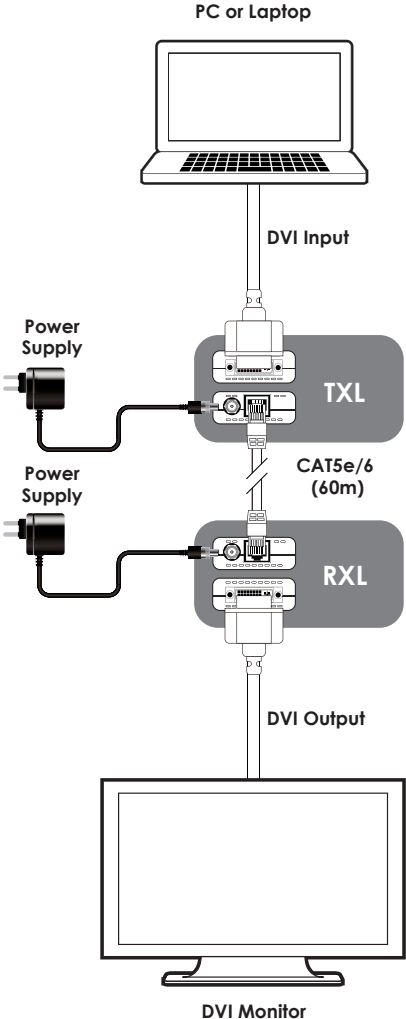
- 1 DC 5V:** Connect the 5V DC power supply into the unit and plug the adaptor to an AC outlet.
- 2 CAT5e/6 IN:** Connect to the transmitter unit with a single CAT5e/6 cable for transmission of all data signals.
- 3 DVI OUT:** Connect to a DVI equipped TV/monitor for display of the DVI input source signal.

6.3 Transmitter and Receiver Top Panels



- 1 LINK LED:** This LED will illuminate in blue when the devices are connected with a CAT5e/6 cable. If the data transmission has an error the LED will blink.

7. CONNECTION DIAGRAM





8. SPECIFICATIONS

Video Bandwidth	300 MHz/10.2 Gbps
<i>Transmitter</i>	
Input	1×DVI
Output	1×RJ45
<i>Receiver</i>	
Input	1×RJ45
Output	1×DVI
ESD Protection	Human Body Model: ±8kV (air-gap discharge) ±4kV (contact discharge)
Power Supply	2×5 V/2.6 A DC (US/EU standards, CE/ FCC/UL certified)
Dimensions	55 mm (W)×82 mm (D)×22.5 mm (H)/each
Weight	56 g (TX), 64 g (RX)
Chassis Material	Plastic
Silkscreen Color	White
Operating Temperature	0 °C~40 °C/ 32 °F~104 °F
Storage Temperature	-20 °C~60 °C/-4 °F~140 °F
Relative Humidity	20~90% RH (non-condensing)
Power Consumption	3 W (TX), 5.5 W (RX)

9. ACRONYMS

ACRONYM	COMPLETE TERM
CAT5e	Category 5 Cable
CAT6	Category 6 Cable
DVI	Digital Visual Interface
HDCP	High-bandwidth Digital Content Protection
HDMI	High-Definition multimedia Interface



CYPRESS TECHNOLOGY CO., LTD
Home page: <http://www.cypress.com.tw>

MPM-CH513TXLRXL