



DisplayPort Extender Series

User Manual

Model : DP02E

4K DisplayPort CAT5e Extender 70M



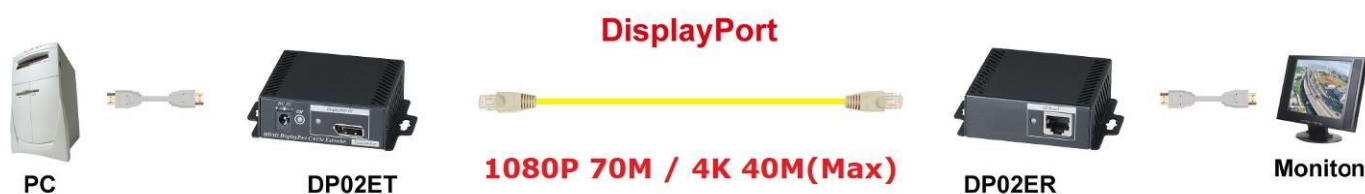
Introduction

DP02E is a DisplayPort over HDBaseT™ extender that can use a cost-effective Ethernet cable to send uncompressed signal with the transmission distance up to 70M and the resolution up to 4K@30Hz 4:4:4. It is an ideal solution to show video from a PC/laptop on a projector/monitor.

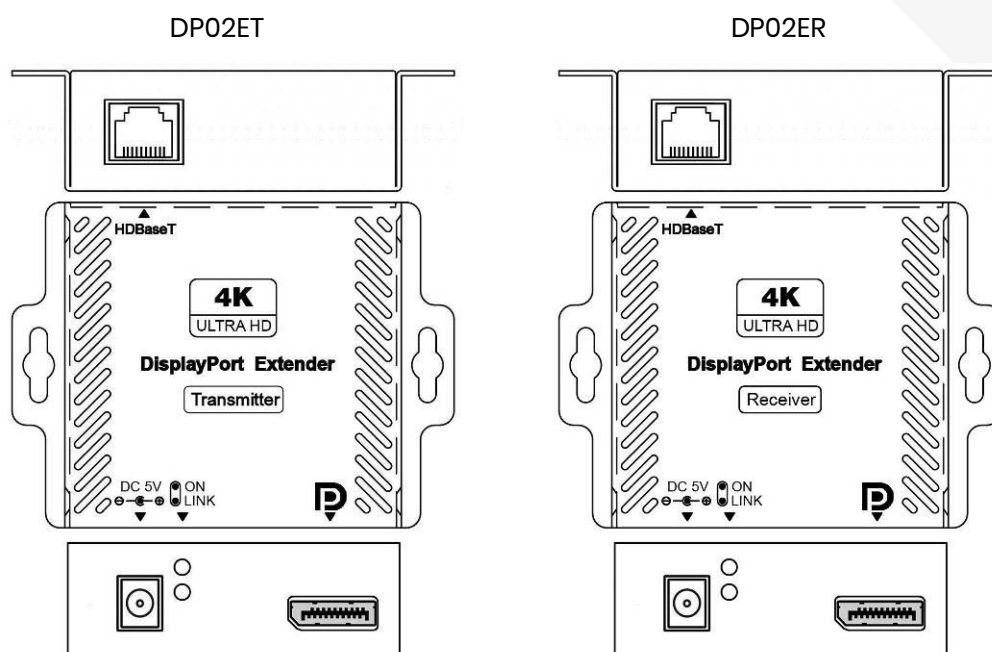
Features

- Resolution up to 4K@30Hz 4:4:4.
- Signal extension up to 70M over CAT5e (or greater) cable.
- Supports bi-direction RS232 transmission.

Installation View



Panel View



LED Indication

Color	Status	DP02ET	DP02ER
GREEN	ON	Power on	
BLUE	LINK	ON : LINK Normal, Flash : Low Power Mode *Low Power Mode: When DP02ET no video input or DP02ER not connect any devices, DP02E will enter a low power mode to save power consumption.	

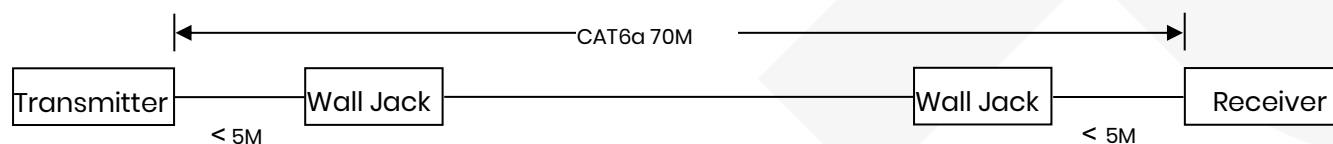
Cable

Link cable recommend use high quality Cat.5e 、 Cat.6 、 Cat.6a 、 Cat.7 UTP / STP or FTP cable. Poor quality cable or network connection or improper construction will cause unstable connection, video or sound disruptions, picture noise appears.

Distance Chart by Different Cable

Cable Type	Range	Supported Video
CAT5e / CAT6	60M	1080p 60Hz 12bit
CAT6a / CAT7	70M	
CAT5e / CAT6	35M	1080p 60Hz 16bit Up to 4096x2160@30Hz 4:4:4(9Gbps)
CAT6a / CAT7	40M	

If connection through the wall socket, the cable length must less 5 meters between HDMI extender and wall jack, as below drawing:



10/100Mbps network connection using general CAT5e cable and working distance up to 60M.

RJ45 Define

Video Link (TIA/EIA-568-B)

1. Orange-white	DATA0 +
2. Orange	DATA0 -
3. Green-white	DATA1 +
4. Blue	DATA2 +
5. Blue-white	DATA2 -
6. Green	DATA1 -
7. Brown-white	DATA3 +
8. Brown	DATA3 -

Caution

This device not support MST (Multi Stream Transport) hub function based on DP1.2

Trouble Shooting

1. The wiring must away from any equipment with electromagnetic wave, i.e.: mobile phone, microwave, radio equipment, fluorescent lamp, high voltage power lines.
2. The cable must pull in straight to avoid any crosstalk interference and the transmission stability.
3. This device HDBaseT port is not general Ethernet signal; do not connect with Network devices to avoid damage.
4. The receiver unit working temperature is higher which is in normal condition.
5. The bottom dip switch was no function which is reserve.

Package Include

DP02ET DVI Transmitter x 1 pcs
DP02ER DVI Receiver x 1 pcs
Mounting Screw pack x 1 bags
Power Adapter x 2 pcs

Specification

ITEM NO.	DP02ET	DP02ER
Support		
Compliance	DP 1.2a, HDCP	
Max. Video Resolution	4096 x 2160@30Hz 4:4:4	
Max. Transmission Distance	70M at 1080p@60Hz, 40M at 4K@30Hz 4:4:4	
Audio Format	LPCM 7.1 @ 192KHz, Dolby TrueHD, DTS-HD MA	
Ports & Interfaces		
Video Input	1 x DisplayPort	1 x HDBaseT
Video Output	1 x HDBaseT	1 x DisplayPort
Power		
Power Supply	DC 5V 2A	DC 5V 2A
Power Consumption	5W (Max), 1.32W (Low Power)	8W (Max), 1.62W (Low Power)
Ambient Temperature		
Operation	-10 to 45°C	
Storage	-30 to 70°C	
Humidity	up to 95%	
Physical Characteristics		
Dimensions	92 x 69 x 25mm	92 x 69 x 25mm
Weight	160g	180g