

# HDMI 2.0 Extender - **ALF TPUK 70RS-Rx/Tx**

## True 4K Transmitter & Receiver IR & RS232



### DESCRIPTION

The TPUK70-RS is an ultra-thin HDMI2.0 Extender consisting of a transmitter and a receiver. It extends 1080p/4K HDMI signal over CAT5e/CAT6a cable up to 70m /40m (PoC) and enables IR and RS232 pass-through to control source or display device remotely. It also adopts the visual lossless video compression technology (VLC) to ensure the HD lossless transmission of HDR and 4K@60Hz/4:4:4 over CAT5e/CAT6a cable.

### FEATURES

- Supports 4K/UHD/60Hz/4:4:4.
- Supports HDMI2.0 & HDCP2.2 and is backwards compatible with the previous versions.
- Maximum transmission distance is up to 40m for 4Kx2K and 70m for 1080p.
- Supports CEC, IR and RS232 pass-through for long-distance control.
- Supports bi-directional PoC for simplified wiring.
- Supports HDR.
- Features DIP switch for choosing mode from Control, Update A, Update B.

## TECHNICAL SPECIFICATIONS

### True 4K Transmitter & Receiver IR & RS232

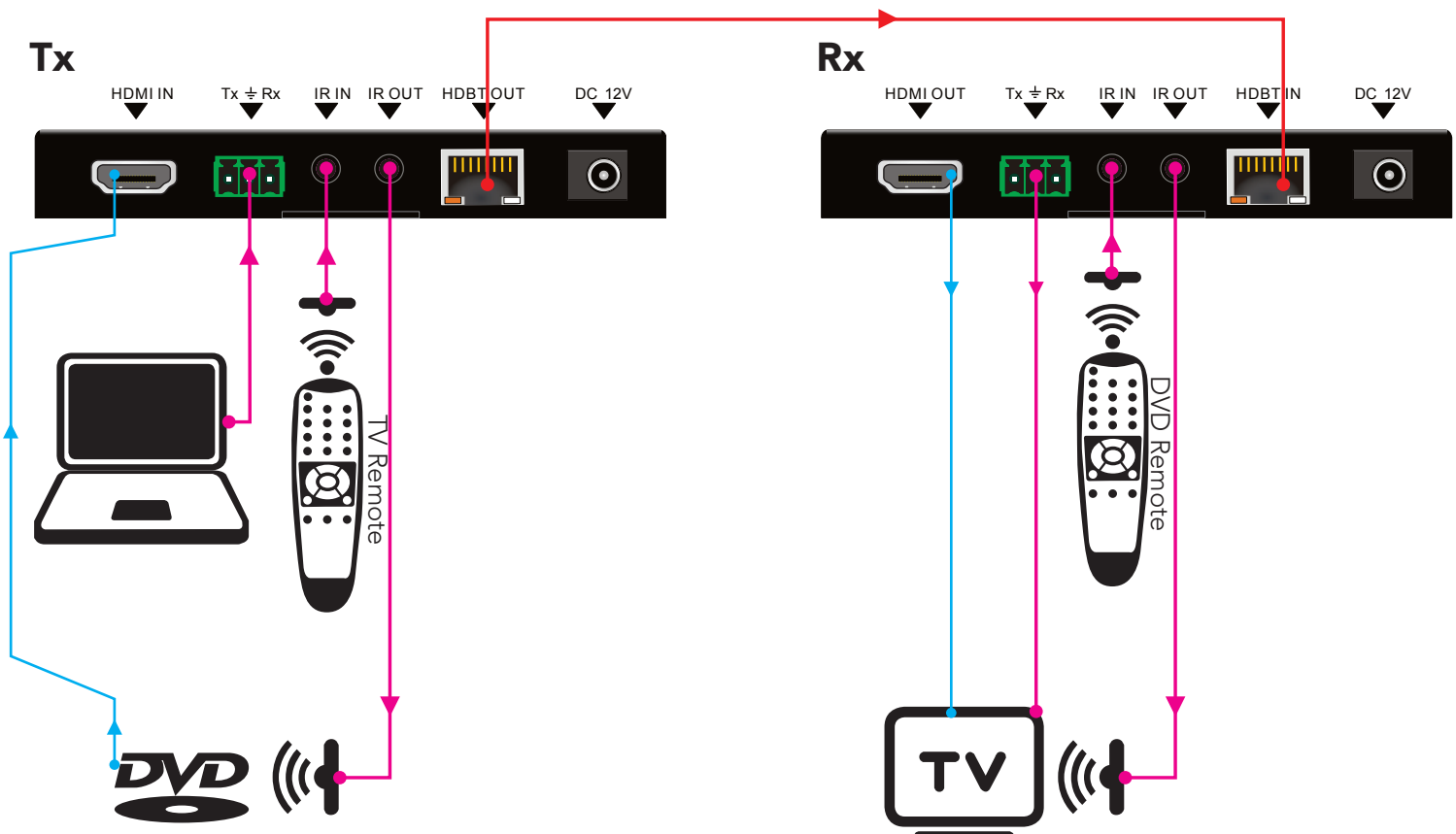
Spec	TPUK 70RS TRANSMITTER	TPUK 70RS RECEIVER
Input	: HDMI IN	: HDBT IN
Output	: HDBT OUT	: HDMI OUT
Control Ports	: IR IN, IR OUT, RS232	: IR IN, IR OUT, RS232

Spec	
Transmission Mode & Distance	: HDBaseT, 1080p ≤ 70m, 4Kx2K ≤ 40m
Resolution	: Up to 4Kx2K@60Hz 4:4:4
Bandwidth	: 18Gbps
HDMI Standard	: HDMI2.0 & HDCP2.2
Power Consumption	: 14W (max)
Operation Temperature	: 0 ~ +40°C
Storage Temperature	: -10 ~ +50°C
Relative Humidity	: 0% ~ 90%
External Power Supply	: Input: 100VAC ~ 240VAC, 50/60Hz; Output: 12 VDC 2A
Dimension (W*H*D)	: 115mm x 16mm x 84mm
Net Weight (g)	: Transmitter: 150g; Receiver: 153g

## SYSTEM DESIGN

### Design Key

- Control
- HDMI
- HDBaseT



## SYSTEM DESIGN

