PRODUCTS › EXTENDERS

TC-EXT-50

1080P HDMI Extender over CAT6 (50m)

1080p over one CAT cable, powered from the transmitter end



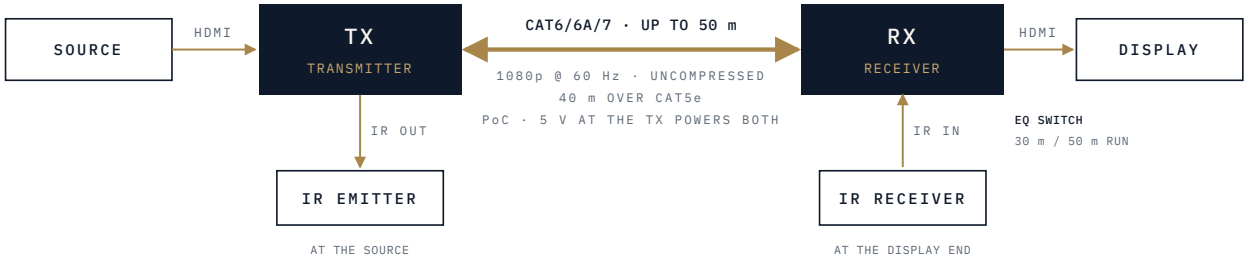
1080p60	50 m	PoC	IR
4:4:4 · HDMI 1.3b · 4.85 Gbps · HDCP 1.4	over CAT6/6A/7 · 40 m over CAT5e	one-way · one 5 V supply at the transmitter	one way, receiver to transmitter

TC-EXT-50 carries HDMI 1.3b at up to 1080p @ 60 Hz with full 4:4:4 colour, uncompressed, over a single CAT cable: 50 m on CAT6/6A/7, or 40 m on CAT5e. HDCP 1.4 is supported, and the EDID is fixed at 1080p @ 60 Hz, 2-channel.

One 5 V supply at the transmitter powers both units over the cable (one-way PoC); the receiver also has a micro-USB 5 V input. IR travels one way, from the receiver back to the transmitter, on 3.5 mm jacks, so the source can be operated from the display end. An EQ switch on the receiver is set for a 30 m or 50 m run. There is no control interface. Each unit measures 70 × 70.2 × 21 mm, in a sheet-steel case.

01 KEY CAPABILITIES

- Uncompressed 1080p60 over one CAT cable, point to point
- One 5 V supply at the transmitter powers both units (one-way PoC)
- IR from the receiver end back to the source (one-way)
- EQ switch on the receiver for 30 m or 50 m runs



SIGNAL PATH · ONE CAT RUN CARRIES THE PICTURE, THE IR AND THE RECEIVER'S POWER

02 VIDEO

Signal standard	HDMI 1.3b
HDCP	HDCP 1.4
Maximum resolution	1080p @ 60 Hz, 4:4:4
Bandwidth	4.85 Gbps

03 TRANSPORT & DISTANCE

Transport	Uncompressed over one CAT cable (point to point)
Transmission distance	50 m over CAT6/6A/7 · 40 m over CAT5e (1080p60)
Power over the link	One-way PoC — the transmitter powers the receiver; 5 V supply at the transmitter

04 CONNECTIVITY

Inputs	Transmitter: 1 × HDMI · DC 5 V · receiver: UTP from the transmitter · IR in (3.5 mm)
Outputs	Transmitter: UTP to the receiver · IR out (3.5 mm) · receiver: 1 × HDMI
Other ports	Receiver: micro-USB 5 V power input

05 CONTROL

Control methods	No control interface · 30 m / 50 m EQ switch on the receiver
EDID management	Fixed 1080p @ 60 Hz, 2-channel
IR	One-way IR, receiver → transmitter (3.5 mm TRS)

06 ELECTRICAL & PHYSICAL

Power supply	5 V DC, 1 A adapter (at the transmitter)
Dimensions (W × D × H)	70 × 70.2 × 21 mm (each unit)
Housing	Sheet steel

07 COMPLIANCE & ASSURANCE

Certification statement	Designed for global compliance — CE, FCC, RoHS, and regional certifications, as applicable.
Warranty	3 years

08 IN THE BOX

In the box	5 V / 1 A adapter · 4 mounting brackets per pair · IR emitter cable · IR receiver cable (30–50 kHz)

09 ORDERING

Order code	**TC-EXT-50**
Kit composition	Transmitter + receiver pair

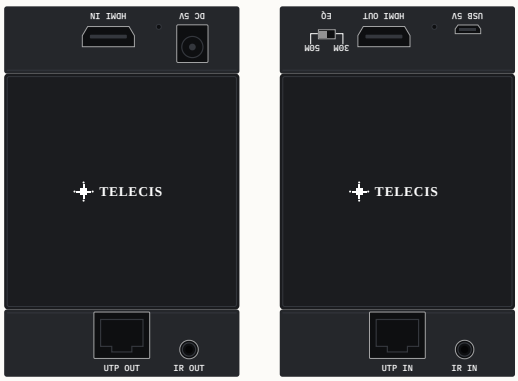
PRODUCT PAGE
telecis.com/products/extenders/tc-ext-50/

VIEWS



KIT, CABLE SIDE

DRAWING



TRANSMITTER RECEIVER

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signal · engineered.