

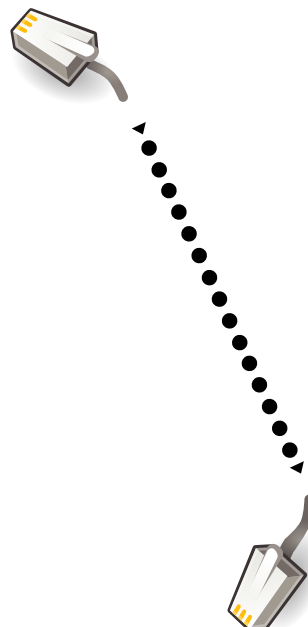
Cat6 Extender Line

Long Distance HDMI Extender over Single Cat6 Cable

Cat6



- Transmitter device with DVI/HDMI input connector
- Transmission of HDMI signals
- Transparent HDCP compliant operation
- Single Cat5e, Cat6 or Cat6a cable technology
- Covering 100m up to 3840x2160@30Hz
- Receiver device with DVI/HDMI output connector



Extender Line for Cat6

DEXON Systems offer high quality Cat6 sender-receiver pair for HDMI signal transmission over long distances. The product provides full HDCP compliant signal transmission and EDID management over a single cable offering simple cabling and clear installation. The devices can cover 100m distance ensuring crystal clear video picture thanks to the full digital path between the sender and receiver equipment. Small box size, LED indicators and energy efficient operation support successful AV project installations.

System Characteristics

The Cat6 cable based transceiver and receiver pair gives perfect solution for long distance signal transmission and content protection jobs:

- Transmits HDCP compliant DVI/HDMI signals over a single Cat5e, Cat6 or Cat6a cable up to 100 m distance
- Ensures perfect EDID signal path
- Supports high resolutions up to 1920x1200@60Hz or 3840x2160@30Hz
- Results perfect crystal clear video picture quality by the digital data path

DEXON Systems Ltd.

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Technical Details

Sender Device

Input Connector

Standard DVI-D connector

Input Signal

- DVI 1.0 signals
640x480 - 1920x1200 pixels
- HDMI 1.4 with HDCP 1.4, 2.0, 2.2
640x480 - 3840x2160 pixels

Output Connector

RJ45 standard, female

LED Indicators

Power LED
HDCP content LED
Link connected LED

Power Supply

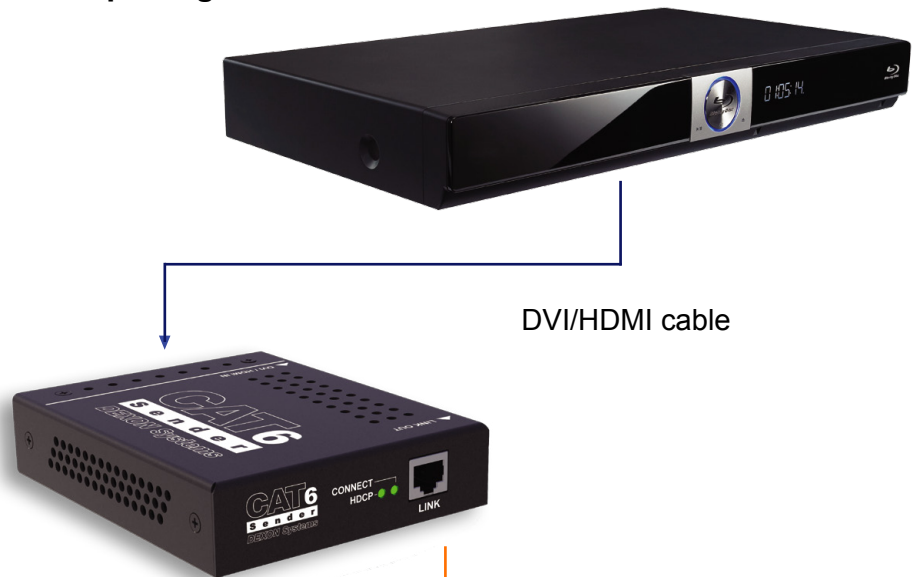
External +5V power supply modul
Input: 100-240VAC, 50-60 Hz
Output: +5V DC, 3A, 15W

Size

105(w)x28(h)x125(d) mm
4.1"x 1.1" x 4.9"

System Architecture

Input Signal



DVI/HDMI cable

Cat6 connection

DVI/HDMI cable

DVI/HDMI Output Signal

Receiver Device

Input Connector

RJ45 standard, female

Output Connector

Standard DVI-D connector

- DVI 1.0 signals
640x480 - 1920x1200 pixels
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System Characteristics

Resolutions Supported

Resolution min. 640x480@60Hz
max. 3840x2160@30Hz

Data Rates

Max. 10.2 Gbps of HDMI 1.4 signals

Latency

Max. 10 µsec

Distances Covered

100 m max. for 3840x2160 resolution

Model Name

Function

DCATS-100

Cat6 HDMI Sender

DCATR-100

Cat6 HDMI Receiver

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