

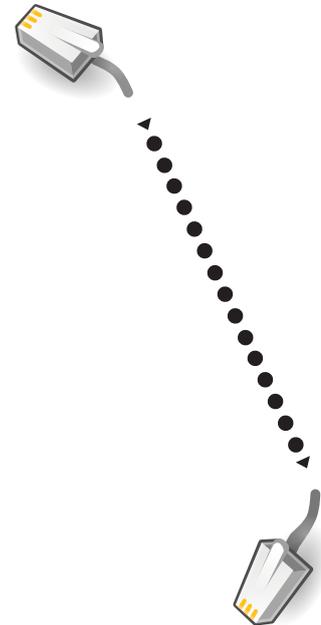
# Cat6 Extender Line

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 at 1920x1200 resolution
- 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 resolution transmission up to 1920x1200 pixels resolution at 60Hz
- Results perfect crystal clear video picture quality by the digital data path

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# Technical Details

## Sender Device

### Input Connector

Standard DVI-D connector

### Input Signal

- DVI 1.0 signals  
640x480 - 1920x1200 pixels
- HDMI 1.3 with HDCP 1.2 specification  
640x480 - 1920x1200 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
- HDMI 1.3 with HDCP 1.2 specification  
640x480 - 1920x1200 pixels

### LED Indicators

- Power LED
- HDCP content LED
- Link connected

### Power Supply

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### Size

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

## System Characteristics

### Resolutions Supported

Resolution min. 640 x 480 60Hz  
max. 1920x1200 60 Hz, 48 b/pixels

### Data Rates

Max. 10.2 Gbps of HDMI 1.3 signals

### Latency

Max. 10 µsec

### Distances Covered

100 m max. for 1920x1200 resolution

## Model Name

## Function

DCATS-100

Cat6 HDMI Sender

DCATR-100

Cat6 HDMI Receiver

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