

# HDMI/DVI Extender via Two CAT5e/6

**XTENDEX®**

## Extend an HDMI or DVI Display up to 300 Feet (91 Meters) Away from a Video Source

- Transmits HDMI signal over two CAT5e/6 cables
- Supports HDTV resolutions to 1080i and computer resolutions to 1920x1080
- HDMI features supported:
  - 12-bit Deep Color
  - x.v.Color
  - Supports digital audio format, such as LPCM / Dolby Digital (AC-3) / DSD
  - Bandwidth up to 225 MHz (6.75 Gbps)
  - Lip Sync
  - Supports the DDC2B protocol
- HDCP compliant
- Supports the DDC2B protocol
- Only one power supply to power both the local and remote units



## Specifications

### Local Unit

- Compatible with a computer or HDTV video source with HDMI output.
- One female HDMI connector:
  - Not compatible with nVidia Quadro FX series video cards.
- One female RJ45 port for sending high definition video/audio signals.
- One female RJ45 port for sending DDC signal.
- HDCP 1.3 compliant.

### Remote Unit

- One female HDMI connector for display.
- One female RJ45 port for receiving high definition video/audio signals.
- One female RJ45 port for receiving DDC signal.
- Supports HDTV resolutions to 1080i and computer resolutions to 1920x1080.

### Power

- Local unit: powered from remote unit through CAT5e/6 cable.
- Remote unit: 110 or 220 VAC at 50 or 60 Hz via AC adapter. (US AC adapter included.)
- Power consumption:
  - Local unit: powered from remote unit.
  - Remote unit: 5W

### Environmental

- Operating temperature: 5 to 130°F (-15 to 55°C).
- Storage temperature: -20 to 140°F (-30 to 60°C).
- Operating/storage relative humidity: 5 to 90% non-condensing RH.

### Dimensions

- WxDxH: 1.8x3.3x0.9 in (46x84x23 mm)

### Regulatory Approvals

- CE, FCC, RoHS

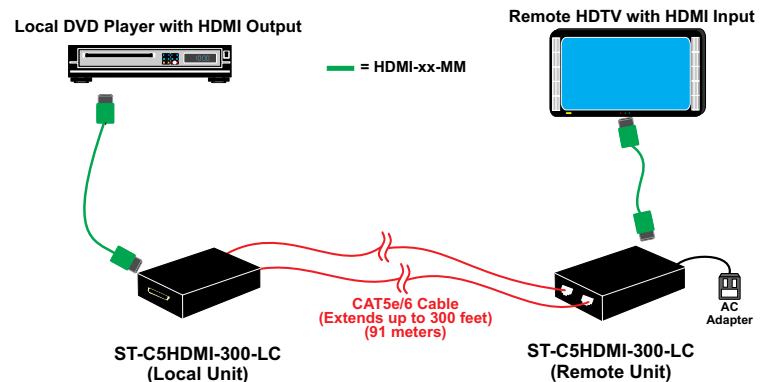
### MTBF

- 20,000 hrs.

### XTENDEX® ST-C5HDMI-300-LC (Local and Remote Unit)

- **Low Cost**
- **Extend to 300 ft (91 m) via Two CAT5e/6 Cables**
- **Only One Power Supply Required**

The XTENDEX® HDMI/DVI Extender transmits digital video and audio signals up to 300 feet (91 meters) using two CAT5e/6 cables. Each video extender consists of a local unit that connects to an HDMI/DVI source and a remote unit that connects to an HDMI/DVI display.



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## Cables

- Use HDMI-xx-MM cable to connect an HDMI source or display.
- Use DVI-HDMI-xx-MM cable to connect a DVI source or display.
- Use CAT5e/6 solid straight through cable for TIA/EIA-568B wiring terminated with standard RJ45 connectors.
- Cables not included.

| Distances and Resolutions for CAT5e and CAT6 Cables |               |                             |                         |
|---|---------------|-----------------------------|-------------------------|
| Cable   | Distance      | Maximum Standard Resolution | Maximum HDTV Resolution |
| CAT5e Solid UTP                                     | 100 ft (30 m) | 1920x1080 at 60Hz           | 1080i                   |
|   | 150 ft (46 m) | 1280x1024 at 60Hz           | 1080i                   |
|   | 200 ft (61 m) | 1024x768 at 60Hz            | 1080i                   |
|   | 250 ft (76 m) | 800x600 at 60Hz             | 480p                    |
| CAT6 550 MHz Solid UTP                              | 100 ft (30 m) | 1920x1080 at 60Hz           | 1080i                   |
|   | 200 ft (61 m) | 1280x1024 at 60Hz           | 1080i                   |
|   | 250 ft (76 m) | 1024x768 at 60Hz            | 1080i                   |
|   | 275 ft (84 m) | 800x600 at 60Hz             | 480p                    |
| CAT6 Solid STP                                      | 100 ft (30 m) | 1920x1080 at 60Hz           | 1080i                   |
|   | 200 ft (61 m) | 1280x1024 at 60Hz           | 1080i                   |
|   | 300 ft (91 m) | 1024x768 at 60Hz            | 480p                    |