HDMI/DVI EXTENDER VIA TWO CAT5E/6

XTENDEX®

Extend an HDMI or DVI display up to 300 feet away from a video source

DIGITAL SIGNAGE

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

Features & Applications

The XTENDEX® HDMI/DVI Extender transmits digital video and audio signals up to 300 feet 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.

- Ideal solution for digital signage applications.
- Transmits an HDMI signal over two CAT5e/6 cables.
- Supports HDTV resolutions to 1080i and computer resolutions to 1920x1200.
- Compliant with HDMI 1.3 and HDCP 1.3 standards.
- Compliant with DDWG DVI standard.
- Supports the DDC2B protocol.
- Only one power supply is necessary to power both the local and remote units.

Specifications

Local Unit

- One female HDMI-A port for source connection.
  - 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.

Remote Unit

- One female HDMI-A port for HDTV or computer display.
- One female RJ45 port for receiving high definition video/audio signals.
- One female RJ45 port for receiving DDC signal.
- Signal type: HDMI 1.3, HDCP 1.3 compliant.
- Supports HDTV reolutions to 1080i and computer resolutions to 1920x1200.

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.
- Power consumption:
  - Local Unit: Powered from remote unit.
  - Remote Unit: 5W

Environmental

- Operating temperature: 23°F to 130°F (-5°C to 55°C).
- Storage temperature: -20°F to 140°F (-30°C to 60°C).
- Operating and Storage Relative Humidity: 5 to 90% non-condensing RH.
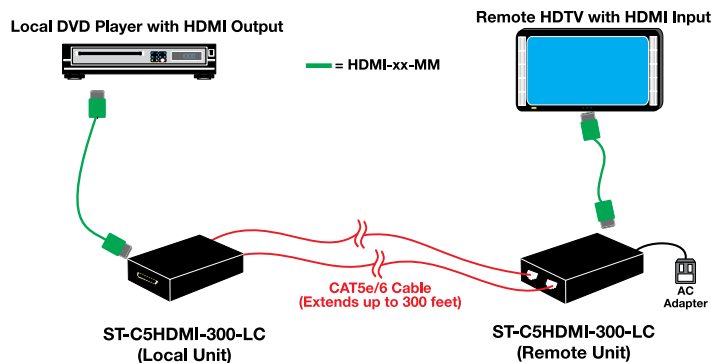
Dimensions

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

Regulatory Approvals

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 straight through cable for TIA/EIA-568B wiring terminated with standard RJ45 connectors.
- Cables not included.

Configuration and Cable Illustration – HDMI

Local DVD Player with HDMI Output

= HDMI-xx-MM

Remote HDTV with HDMI Input

ST-C5HDMI-300-LC
(Local Unit)

CAT5e/6 Cable
(Extends up to 300 feet)

ST-C5HDMI-300-LC
(Remote Unit)

AC Adapter

Cable	Distance (ft)	Maximum Standard Resolution	Maximum HDTV Resolution
CAT5e (UTP)	100	1024x768 at 60Hz	1080i
	150	1280x1024 at 60Hz	1080i
	200	1024x768 at 60Hz	1080i
	250	800x600 at 60Hz	480p
CAT6 (UTP)	100	1920x1280 at 60Hz	1080i
	200	1280x1024 at 60Hz	1080i
	250	1024x768 at 60Hz	1080i
	275	800x600 at 60Hz	480p
CAT6 (STP)	100	1920x1280 at 60Hz	1080i
	200	1280x1024 at 60Hz	1080i
	300	1024x768 at 60Hz	480p
	300	800x600 at 60Hz	480p

Distances and Resolutions for CAT5e and CAT6 Cables