

MODEL #

HX70M

HDMI EXTENDER

UTP Extender Series



The HX70M is part of the CE labs® HDMI UTP Extender Series. Using HDBaseT™ Lite technology, extend HDMI™ signals up to 230 ft/70m (CAT5e/6/7).



— KEY FEATURES —

- Uses only one CAT5e/6/7 cable
- 3D ready and 4K*2K capable
- Compact size
- HDMI™ and HDCP compliant
- Uncompressed HD video up to 1080p/60Hz/48bits and 4K/60Hz/24bits
- Maximum data rate 10.2 Gbps
- Audio transmission supports Dolby TrueHD, DTS-HD MA
- No adjustment required
- Uses HDBaseT™ Lite technology
- Built in IR, selectable direction

— LED INDICATION —

LED NAME:	LED COLOR:	MEANING:
Power	Blue	Power
RJ-45	Blue	CAT5e/6/6a/7

Note: If CAT cable is not connected, green LED is OFF.

CE labs recommendation: TIA/EIA-568-B. High quality CAT 5e, CAT6, CAT6a CAT7 UTP (Unshielded Twisted Pair)/STP (Shielded Twisted Pair) or FTP (Foiled Twisted Pair) cables.



- | | |
|-----------------|---------|
| 1. Orange/White | Data0 + |
| 2. Orange | Data0 - |
| 3. Green/White | Data1 + |
| 4. Blue | Data2 + |
| 5. Blue/White | Data2 - |
| 6. Green | Data1 - |
| 7. Brown/White | Data3 + |
| 8. Brown | Data3 - |

— SPECIFICATIONS —

- HDMI™ and HDCP compliant
- Maximum Resolution: 1080p/60Hz@48 bit
4Kx2K/30Hz@30 bit, 4:2:2
4Kx2K/60Hz@24 bit, 4:2:0
- Maximum Distance: 1080p – 70M (230')
4Kx2K – 40M (130')
- Compatible with 3D signals
- Audio transmission full pass-through
- Power supply: 5V 2 Amp, 2.5mm
- Max Power consumption for Transmitter: 600 mA
- Max Power consumption for Receiver: 1200 mA
- Operation Temperature: 0 to 55°F
- Storage Temperature: -20 to 85°F
- Humidity: Up to 95%
- Dimensions (mm): 49 x 92.3 x 25
- Weight: 4 oz. each
- IR Jacks: 3.5mm
- RoHs compliant • CE compliant • FCC compliant

— CAUTION —

- Cable length must be less than 15 ft between HDMI extender and wall connectors (RJ45 jacks).
- CAT5e/6/6a/7 wire must be away from any device, wire, cable, etc. that generate EMI (electromagnetic interference) Examples: Microwave, cellular phones, radio equipment, fluorescent lamps, high-voltage power lines.
- DO NOT use regular CAT5 cable. It does not have enough bandwidth.
- DO NOT connect to any network.
- DO NOT use stranded cable.



— HDBaseT DISTANCE CHART —

CABLE TYPE:	RANGE:	PIXEL CLOCK RATE:	VIDEO DATA RATE:	SUPPORTED VIDEO:
CAT.5e/CAT.6	60 M	≤ 225MHz	≤ 5.3Gbps (Full HD Video)	1080p 60Hz 36-bit
CAT.6a/CAT.7	70M		> 5.3Gbps (Ultra HD Video)	1080p 60Hz 48-bit
CAT.5e/CAT.6	35M	> 225MHz	> 5.3Gbps (Ultra HD Video)	1080p 60Hz 3D, 4K*2K 30Hz
CAT.6a/CAT.7	40M			

UTP EXTENDERS