

## ▣ HDMI / DVI Extender over single CAT6 cable for up to 130-ft (40m) at 1080p

Teq AV/IT is one of the world leaders with quality, performance and value of its CAT5 CAT6 Twisted-pair technology for audio video signals. There are 30-50 companies offering passive baluns to high quality active extenders for taking DVI or HDMI signal over longer than 15-ft (5 meter) length using UTP CAT6 or CAT5e cable, but the biggest requirement from all of them is to run double the cables. Teq AV/IT is the first company to overcome requirement of double UTP cable with its patented HD CAT One technology.



Teq AV/IT stands out with its value-priced Extender set (ready-to-install QikConnect Qik-Install kit) to upcoming distribution units for a point-to-point and multi-display distribution system. Clear advantages of choosing Teq AV/IT's HD CAT One twisted pair technology are:

## ▣ Key Features

- ▣ Use of single UTP (CAT6 or CAT5e) cable to send HDMI or DVI signal
- ▣ Compliant with HDCP 1.3 and DDC standards
- ▣ Long distance range for high-resolution HD video signals (1080p, 1080i and 720p)
- ▣ Save hundreds over comparative products in product, cable and labor cost
- ▣ Full control over image quality at each display with Equalization and Gain control
- ▣ Accompanying Audio is digitally transmitted, result is lossless rich audio

## ▣ Overview

Audio and video (Computer, DVI, SD, HD-720p 1080i) signal transmission from a source to a display has been done over Coaxial cable since 1960's. However in new millennium, the technology, medium, demands and rules have changed. Signals are taken over UTP (Twisted-pair) CAT5 or CAT6 cable, fiber or wireless. CAT5-CAT6 UTP is better medium due to lower cost, simplicity in installation, saving of conduit space, equal performance as Coaxial cables and being in tune with current technology and using premise's existing structured CAT5e or CAT6 UTP cabling for Green buildings.



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## Technical Specification

	Transmitter	Receiver
Input	HDMI / DVI-D 19-pin Female HDMI connector	CAT6 HD Digital RJ-45 Female
Main Output	CAT6 HD Digital RJ-45 Female	HDMI / DVI-D 19-pin Female HDMI connector
Local Output	HDMI / DVI-D 19-pin Female HDMI connector	N/A -
Cable Type	CAT6 UTP Cable (preferred), CAT5e acceptable	
Wiring Scheme	568B stright-through (pair 2.3 split)	
Length for HDMI Signal	130-ft (40m @ 1080p), 165-ft (50m @ 1080i), 200-ft (720p)	
Length for DVI Signal	120-ft(35m@1920x1440),165-ft(50m@ 1600x1200),200-ft (60-m@ 1280x768)	
Signal Supported		
HDMI	1080p, 1080i, 720p, 576p, 480p, 480i	
DVI	WUXGA, UXGA, WXGA, SXGA, XGA, VGA	
Image adjustment feature	Not required	Gain control, Video Equalization
Power	DC 5.0 V, 1.2 A	
AC Adapter input	External 100-240 V AC, 0.5A	
Temperature		
Operating	0 - 70° C (32-170° F)	
Storage	0 - 80° C (32-175° F)	
Humidity	0-80% Non condensing	
Enclosure Material	Black painted metal	
Size	5.5"W x 3.6"D x 1.25" H (140 x 93 x 32 mm)	2.3" W x 2.5" D x 1.0" H (60 x 63 x 25 mm)
Weight	0.85 lb. ( 0.38 kg)	0.25 lb ( 0.12 kg)

In many situations the HD sources with HDMI output like Blu Ray player, Media Players, Playstation3, Digital Signage Player (VPH150), Satellite receiver, Cable boxes, broadcast or professional cameras or even DVI or now a days HDMI output from PC, laptop or Mac need to be placed either more than 15-ft (5 meter) or be a part of overall AV system for the room. Since one has spend high dollars for a HD display why not use it to show high-definition and high-resolution images at 720p or 1080i or 1080p for HDMI connection and at XGA to WUXGA for DVI connector



- Zero loss signal, maintains picture quality as if directly connected to source
- Maximu resolutino support for 1080p for HDMI and WUXGA (1920x1440) for DVI
- HDMI v1.3 and HDCP compliant
- Full bandwidth support up to 10.2 GHz
- Easy and fast installation, Plug & Play
- Complete control over picture quality with built-in Equalization and gain
- Use optional HDMI to DVI adapter cable for backward compatibility to legend sources

