TECHNICAL SPECIFICATIONS:

-	Max. Resolutions	HDTV: 480p, 720p, 1080i/p 60Hz PC: 1280x1024 @ 75Hz or 1360x768 @ 60Hz
-	Audio Support	Stereo / 16-Bits / 48KHz
-	Video Bandwidth	225MHz (2.25Gbps)
-	HDCP/DDC Support	Yes
-	TMDS Input Voltage	1.2v (peak-to-peak)
	DDC Input Voltage	5v (peak-to-peak)
-	IR Frequency	38KHz
-	LAN Protocol	Fast Ethernet
-	LAN Bandwidth	Up to 80MHz
-	LAN Distance	100M (TX to RX) 100M (TX or RX to Switch/Hub)
-	LAN Cable Termination	T568B Pin-out / Straight Thru
-	Connectors	RJ45 LAN, HDMI, 3.5mm IR
-	Power Supply	AC Power Adaptors (included) 12v 600mA DC / 120vAC
-	Operating Temperature	32^0F to 131^0F
-	Enclosure / Net Weight	Aluminum / 140g per Module
-	Dimension (TX/RX)	L – 5.17” / W – 5.47” / H – 0.83”
-	Certification	FCC, CE, HDMI v1.3, RoHS, HDCP v1.2
-	Warranty	One Year
-	SKU / UPC	HDE-K (TX/RX Starter Kit) 0 37229 00791 6 HDE-R (Receiver Only) 0 37229 00793 0

Do not attempt to service this unit yourself. Provide proper ventilation and air circulation.

HDAV®

HD over LAN

1 to Many HD Displays

Long Distance Extender System

Setup Guide

V3

(SKU: HDE-K – Starter Kit / HDE-R – RX Kit)

[Must be used with Solid CAT5e or CAT6 Cables]

Installation (Point to Point)

1. Connect the HDMI source device to the transmitter module (TX).
   Connect the IR receiver to HDE-K transmitter module.

2. Connect the HD display to the receiver module (RX).
   Connect the IR transmitter to the HDE-K receiver module.

3. Connect HDE-K TX & RX units using solid CAT5e/6 cable.
4. Connect the power adaptors and power on the TX/RX modules.
5. Turn-on the HD display, then turn-on the HDMI source device.

Installation (1 Source to Many HD Displays)

Note: HDE-K will run and co-exist with existing LAN infrastructure as long as IT administrator create a partition on their main enterprise switch/hub. It is recommended to put HDE-K into separate/dedicated LAN.

1. Connect the HDMI source device to the transmitter module (TX).
   Connect the IR receiver to HDE-K transmitter module.
   Connect TX module to an Ethernet switch/hub using solid CAT5e/6 cable.

2. Connect the HD display to the receiver modules (RX).
   Connect the IR transmitter to the HDE-K receiver modules.
   Connect RX modules to an Ethernet switch/hub using solid CAT5e/6 cables.

3. Connect the power adaptors and power on the TX/RX modules.
4. Turn-on the HD display, then turn-on the HDMI source device.

Installation Notes:

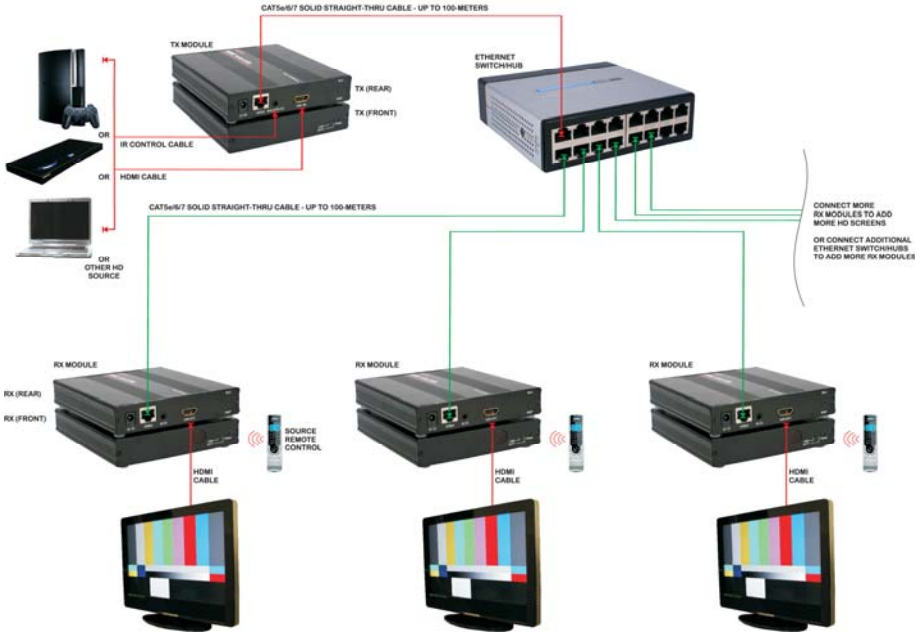
a) Required solid CAT5e/6 must have T568B termination.
b) Make sure the IR receiver module is pointed into the source device IR receiver window.
c) On some satellite and cable TV set-top boxes, the maximum supported resolution is 720p.
d) If any of the HD display does not sync or shows any error on the screen, reset the receiver module. If more than one HD display does not sync, reset the transmitter module (there's a reset button at the rear of each module).
e) The HDE Series must be installed on a partitioned part of the network or dedicated network to satisfy the bandwidth needed to send HD signals.
f) Point-to-Point installation maximum distance is 100M.
   1 Source to Many HD Displays max total distance is 400M.
g) DHCP Server is optional since TX/RX modules do not get an IP address. DHCP Server is needed when integrating wireless AP.

When adding any wireless AP into the system, please consult your LAN administrator for proper setup. IEEE 802.11n and Belden (or better) CAT5e/6 cables are recommended for HD signals.

Application Diagrams:

HDE-K POINT-TO-POINT APPLICATION DIAGRAM:

HDE-K ONE-TO-MANY APPLICATION DIAGRAM:



HDE Package Contents:

HDE-K Includes transmitter and receiver modules, (2) IR modules, 2) AC power adaptors and (1) 1.8-meter HDMI male/male cable.

HDE-R Includes receiver module, (1) IR module, (1) AC power adaptor and (1) 1.8-meter HDMI male/male cable