

CV-CATHD2KIT

transmitter and receiver kit
HD video, audio IR and RS-232



description:

The CV-CATHD2 transmitter and receiver kit is a high resolution HDTV and stereo audio extender geared specifically towards home theatre owners and designers. Using these small transmitter and receiver units, you can send HD desktop video along with stereo audio signals and infrared (IR) and RS-232 commands over CAT5 unshielded twisted pair cabling. Having IR and RS-232 allows control of volume, channel setting, power on/off and other settings on single or multiple devices from a remote location.

specifications: CV-CATHD1TX

Video format	supports RGB (YPbPr) analog component video at resolutions of up to 1920x1200.
Video bandwidth	300 MHz
Range	1,000 feet (300 m)
Analog signal level	1 volt
Impedance	75 Ω
Connector	RCA YPbPr connectors
Sync	TTL sync, 30 to 120 KHz
Audio signal type	Unbalanced stereo
Audio bandwidth	20 Hz to 20 KHz
Impedance	10,000 Ω
Audio connector	RCA left + right connectors
RS-232 connector	DB9 female 9-pin
IR signal	115,000 bps @ 30-80 KHz
Power	5 volts DC
Power connector	5 x 2.1 mm DC jack
System cable type	CAT5 UTP

key features:

- uses easy-to-install, inexpensive CAT5/5e/6/7/8 cable
- HDTV compatible (720p, 1080i, 1080p)
- range up to 1,000 feet (300 m) without signal repeaters
- supports component video (YPbPr)
- compatible with line level stereo audio
- sync format / polarity preservation
- high ground loop immunity
- built-in power surge, transient and lightning protection
- designated trimmer in remote unit compensates for cable length
- compact metal enclosure
- power supply included

key applications:

- home theatre
- corporate presentation rooms
- classrooms and lecture halls
- professional training facilities

physical dimensions:

Height	0.9" (23 mm)
Width	3.7" (94 mm)
Depth	3.5" (89 mm)
Weight	0.26 lbs (0.12 kg)

included hardware:

CV-CATHD2TX (transmitter, power supply)
CV-CATHD2RX (receiver, power supply)

Convex audio/video equipment distributed by:
Martech - driving strategic sales
11565 - 149 Street
Edmonton, Alberta, Canada
T5M 1W9

phone: 780-454-2006
www.drivingstrategicsales.com



CV-CATHD2KIT

transmitter and receiver kit
HD video, audio IR and RS-232

Convex CV-CAT signal distribution hardware

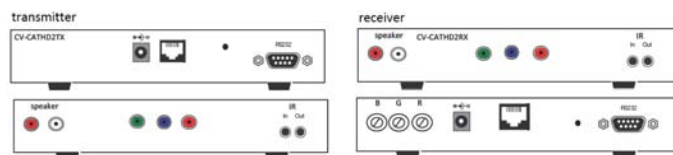
SIGNAL RESOLUTION AND DISTANCE RANGE GUIDE

Convex Product #	Cable Type	VGA 640x480	SVGA 800x600	XGA 1024x768	HD720P 1280x720	SXGA 1280x1024	HD1080i 1290x1080	UXGA 1600x1200	HD1080P 1920x1080
------------------	------------	----------------	-----------------	-----------------	--------------------	-------------------	----------------------	-------------------	----------------------

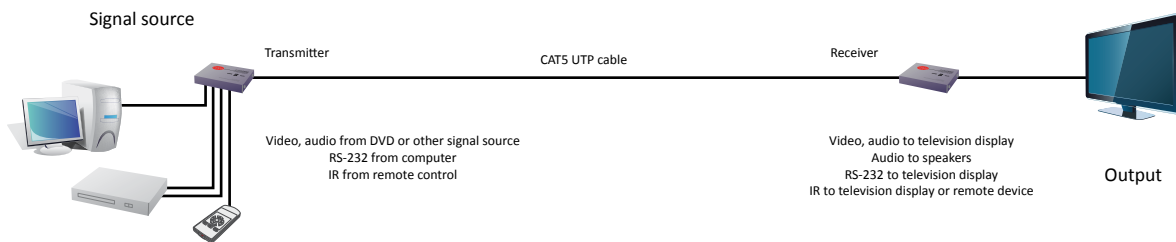
RECEIVERS

CV-CATIR	CAT5 Skew free CAT5	IR range is 1000'							
CV-CAT01RX	CAT5 Skew free CAT5	1000' 1200'	700' 910'	300' 390'	250' 325'	250' 375'	200' 300'	200' 300'	150' 225'
CV-CAT012X	CAT5 Skew free CAT5	800' 960'	650' 845'	275' 358'	225' 293'	225' 338'	175' 263'	175' 263'	125' 188'
CV-CAT03RX	CAT5 Skew free CAT5	1000' 1200'	700' 910'	450' 585'	425' 553'	400' 600'	375' 563'	300' 450'	275' 413'
CV-CAT11RX	CAT5 Skew free CAT5	1000' 1200'	700' 910'	300' 390'	250' 325'	250' 375'	200' 300'	200' 300'	150' 225'
CV-CATHD1RX	CAT5 Skew free CAT5	1000' 1200'	700' 910'	450' 585'	425' 553'	400' 600'	375' 563'	300' 450'	275' 413'
CV-CATHD2RX	CAT5 Skew free CAT5	1000' 1200'	700' 910'	450' 585'	425' 553'	400' 600'	375' 563'	300' 450'	275' 413'
CV-CAT1DVIRX	DVX-RX200S CAT6	250'	250'	250'	220'	220'	220'	220'	220'
CV-CAT13RX	CAT5 Skew free CAT5	1700' 2040'	1200' 1560'	1000' 1300'	750' 975'	750' 1125'	750' 1125'	650' 975'	550' 825'

CV-CATHD2KIT inputs and outputs:



sample system diagram:



Convex customer service: 1-800-461-0006
www.convexav.com

Convex audio/video equipment distributed by:
Martech - driving strategic sales
11565 - 149 Street
Edmonton, Alberta, Canada
T5M 1W9

phone: 780-454-2006
www.drivingstrategicsales.com

