

## TECHNICAL SPECIFICATIONS

IR-EYE	
IR Frequency Range	30 KHz to 80 KHz
Capture Distance	Up to 25'
Cable Connector	3.5 mm stereo jack
IR Signal Indicator	Green LED
IR-EYE	
IR Frequency Range	30 KHz to 80 KHz
Capture Distance	Up to 10'
Cable Connector	3.5 mm stereo jack
IR Signal Indicator	Red LED
OTHER	
Power	12VDC 2A
Cable Link	CAT5 568A or 568B
Dimensions	2.5" W x 2.5" D x 1.0" H
Weight	.25 lb
Operating Temp.	0°C ~ 40°C / 32°F ~ 104°F
Storage Temp.	-20°C ~ 70°C / -4°F ~ 158°F
Relative Humidity	Up to 95%

## WHAT'S IN THE BOX

PART NO.	QTY	DESCRIPTION
HDC-IR	2	IR CAT5 Point to Point
SM-LED	1	IR Emitter
SM-EYE	1	IR Eye (Optional)
PS12VDC2A	2	Power supply 12VDC2A
	1	Quick Start Guide

## NOTICE

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SMART AUDIO VIDEO INNOVATION

## HDC-IR

IR CAT5 Point to Point Extender



USES A SINGLE CAT5  
TO BROADCAST IR  
UP TO 1000FT AWAY(333M)

**Quick Start Guide**

A full manual can be downloaded from  
[www.smartavi.com/hdc-ir/](http://www.smartavi.com/hdc-ir/)

## INTRODUCTION

The HDC-IR range of products allow the extension of Infra Red control signals using single CAT5 UTP (category 5, unshielded twisted pair) cable. The HDC-IR is the first product for this application.

## FEATURES

- Uses easy to install, inexpensive CAT5
- Output reaches up to 1000 feet (300 m)
- Sends IR and Power signals over CAT5
- High ground loop immunity
- Built-in lightning, power surge and transient protection
- Remote Units come with Buffered Outputs
- Compact Enclosure
- Optional power supply for remote unit
- Fully compliant with standard modulated IR and the latest IRDA
- Fully transparent path for all protocols and data transfers
- Bi-directional IR
- Supports any IR Remote Control



IR-EYE



IR-LED

## HARDWARE INSTALLATION

1. Connect the IR LED to the IR window on the source device.
2. Connect power supply to the unit. Observe LED lighting up indicating power present.
3. Connect IR LED to the IR window on the source device.
4. Connect the IR Eye to the Receiver.
5. Observe LED lighting indicating power present. Connect the speakers to the Audio Out port.
6. Connect the transmitter to the receiver using Category 5 UTP cable (Purchased separately). The CAT 5 UTP cable, if purchased in bulk, will be wired using 568A or 568B wiring standard.
7. Once connected, check that the power LEDs on both the receiver and the transmitter are on, IR status LED is on and RX LED is flashing when Remote control is used indicating that communication is in progress

