

HDC-400

High-Definition Media Distribution and Extension via Cat5



Use Cat5 Cabling to Broadcast High-Resolution Component Video, Stereo Audio, RS-232 and Infrared to Four Stations up to 1,000 Feet Away

Smart-AVI's HDC-400 allows for the extension and distribution of high-definition video, stereo audio, infrared, and RS-232 signals to as many as four separate locations using inexpensive Cat5 cabling as far as 1,000 feet away.

Using RS-232 communication, users can send commands to single or multiple devices that are connected to the HDC-400, including volume adjustment, channel selection or power the display panel on/off remotely. This solution is perfect for venues such as sports bars, retail shops, command posts, or even educational/corporate training facilities where multiple screens may be necessary for adequate viewing of high-definition content.

Features

- Uses Easy-to-Install, Inexpensive Cat5/5e/6/7/8 Cabling
- Each Output Extends up to 1,000 Feet (300 m).
- Supports High Resolution Video up to 1900 x1200
- HDTV Compatible (720p, 1080i, 1080p)
- 300 MHz Bandwidth.
- Broadcasts High-Resolution Component Video, Stereo Audio, RS-232 or IR Signals from one Source to up to Four Locations
- Compatible with Y Pr Pb and RGB
- Compatible with Line Level Stereo Audio Signals.
- High Ground Loop Immunity
- Built-in Power Surge and Transient Protection.
- Designated Trimmer in Remote Unit to Compensate for Cable Length.
- Compact Metal Case Enclosure.
- External Power Supply.
- RS-232c Communication support to single or multiple displays.
- IR command to single or multiple Displays.
- RS-232 Communication Support to Single/Multiple Displays
- Local Video and Audio in Transmitter

Take Full Control of Your Remote HD Displays

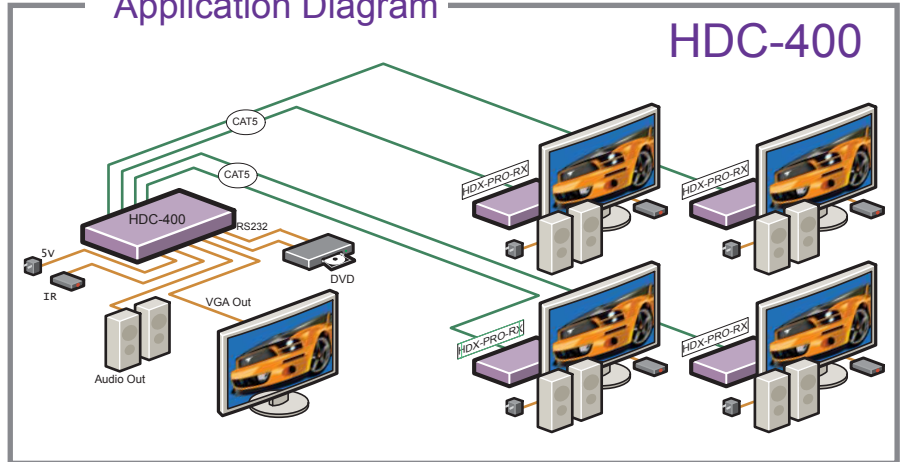
With Smart-AVI's HDC-400, you get full RS-232 bi-directional communication to your remote display monitors at all times. This makes it possible to control each of the remote display screens connected to the HDC-400 from a central location, such as your office or a control room, whether it be changing the individual programming being shown or powering the entire network on/off.

Optional infrared control is also available for the HDC-400, giving you absolute control over the entire network either from the main unit (via IR eye) or through any of the remote display screens' IR receivers. Change programming or power on/off the entire HDC-400 network via bi-directional IR commands; it's simple, efficient and inexpensive!

Specifications

Max Distance 1,000 feet
 Format RGB, YUV, Y/C, CVBS
 1 volt p-p, 75 Ohm
 Resolution Up to 1900 x 1200
 Supported Signals YPbPr, Y/C, composite video, stereo audio
 Video Amplifier Bandwidth 300 MHZ
 Audio Frequency Response 20 Hz to 20 kHz
 Supported Resolutions 480p, 720p, 1080i, 1080p
 Connectors Three female RCAs for video and two female RCAs for audio
 Cable Cat 5, Cat 5e, Cat 6, Cat 6e
 RS232 DB9M, TXD, RXD, Gnd., 9600 bps
 Enclosure Metal
 Dimensions
 Power 5 VDC @ 2 A
 Shipping Weight
 Operating: 32 to 131 degrees F
 Storage: -4 to 185 degrees F
 Humidity: up to 95%
 Warranty 2 years
 Compliancy CE, RoHS

Application Diagram



Applications for HDC-400

- Sports Bars/Lounges
- Retail Locations
- Educational/Corporate Training
- Theme Park Design
- Resort Check-In/Concierge Areas
- Command Posts/Centers

Order Info

Model No.	Description
HDC-400S	Component/Audio/IR/RS232 Point to Multi-Point CAT5 Extender 4 ports Transmitter. Includes [HDC-400, and (PS5VD2A)]
HDP-RXS	Component video /Audio/RS232/IR CAT5 Receiver. Includes: [HDP-RX & (PS5VD2A)]



Many leading companies have recognized and embraced the innovation of Smart-AVI's technologies and have successfully incorporated them into their organizations. Users of Smart-AVI include:



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