

TV over Cat-5/UTP

> 743 Compact Video Hub for 16 Channel TV/AV Service

Each 1U rack mountable MediaStar Compact Hub will provide a 16 Channel TV/AV service to 16 individual users/outlets. Up to four Hubs can be looped together to form a larger 64 user 16 channel TV/AV system using the MediaStar Compact Interconnection Kit (Part 747/x). There are 16 independent front panel outlets, labelled A to P, which allow selection of any of the 16 video and audio input channel channels. The outlets are RJ45 sockets that allow interconnection with MediaStar Compact Receiver Units (Part 751) at distances of up to 400 meters (1,300ft) via Cat-5/UTP.

MediaStar Compact Remote Control Units (Part 790) provide infra-red communication to the MediaStar Compact Receiver Units. There are 8 additional front panel outlets, to duplicate what is being viewed by Outlets A & E. There are 16 video and stereo audio rear

panel inputs that connect to local video sources such as DVD players and satellite receivers. An additional 8 differential video and audio front panel inputs are provided for the connection of line powered MediaStar Compact Remote Video Transmitters (Part 752) to facilitate the use of remotely located video sources such as security cameras. All system parameters can be set and stored using the Remote Control or the Hubs can be remotely monitored and configured with a standard Internet Browser. The Compact Hub will also accept control commands over an IP/RS232/RS485 link from a touch screen, PC or other compatible external controlling device.

Included within the scope of delivery:

MediaStar 743 Compact Hub, IEC Power lead, IR Blaster Module (Part 911-4147), Rack Mounting Kit, CD containing User Manual & Compact Viewer Application.



Specifications

Video Standards

- Supported PAL /NTSC

Rear Panel Video Inputs

- Composite 1V pk-pk (75)

Composite Video SNR (weighted)

- >71dB

Rear Panel Audio Inputs

- Stereo 2.2V pk-pk (10K) PAL and NTSC

RF Input

- 48-862 MHz Type F (75)
- Antenna Mode: Input Level 0 to +17dBmV
- Video SNR (weighted): 50dB @0 dBmV. 54dB @17 dBmV
- 8 RF TV Carriers: Max Input 24dBmV
- CATV Mode: Input Level 25 dBmV - 40dBmV
- Adjacent Carrier Levels: Max 2dB Between Adjacent Carriers
- Video SNR (weighted): 52dB @25dBmV. 56dB @40dBmV

IR remote control

- 38kHz Modulated

Hub Communications

- Proprietary Protocol

Local Control

- RS232/RS485, 9 pin D type Male

IP Browser Control

- 10 Base-T, RJ45

Power: 3 pin IEC Male 100-264V AC, 1.5A

Power Dissipation: 80W max

Weight: 5Kg/11lb

Dimensions: 45x437x350 mm

Environmental: 0 - 40°C

Approvals: CE, UL, FCC part 15 class A

Chassis: 1U 19" rack

Companion Models & Accessories:

- 740 Compact Hub
- 751 Compact Receiver Unit
- 752 Compact Remote Video Transmitter
- 753 Compact RS232 to IR Adaptor
- 911-4141 Compact IR Sensor Module
- 911-4147 Compact IR Blaster Module
- 790/1X Compact IR Remote Control Unit
- 747 2 or 4 Compact Interconnection Cable Kit

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