AV600 Series

Baseband Video + Audio Distribution

TYPICAL USE DIAGRAM
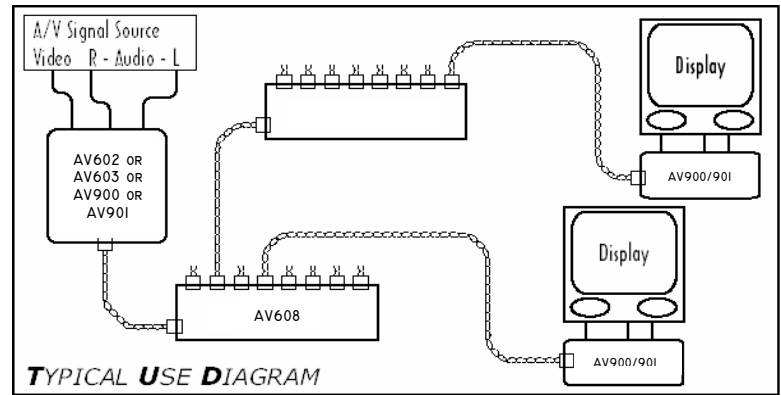
Features/Advantages	Description	Applications
• Run video and stereo audio signals over Cat5 or better wiring. • Up to 512 outputs possible from a single source. • For efficiency, the system balances the input signal, distributes on UTP, and converts back at each display. • Complete system design flexibility, with components that can be hundreds of feet apart. • Low power requirements for the Hubs: display baluns need no external power • Made in USA,100% tested	The **ETS CAT5 A/V Broadcast System** is a **UTP Audio/Video Distribution Hub**. It has baseband video with two channels of line-level audio transmit through the distribution amplifier, creating *8 out- put sets* (video + stereo audio) from a single source. The powered **AV608** can be cascaded twice (three tiers), yielding a total distribution of *512 displays* from just one input source. NTSC, PAL, SECAM or CCTV signals are converted to and from UTP using the **AV900** or **AV901 Baseband Audio/Video Baluns**. Alternatively, the **AV602 or AV603 Isolated Video/Audio Source Balun** may be used between the signal source and the first **AV608**. The **AV602 or AV603** provides full isolation of the video signal, preventing the visual artifacts that can be caused by ground loops. The **AV608 System** supports color video and stereo audio over a total run length in excess of 330 meters (inclusive of all cable segments) on Category 5 or better cable. Black and white signals will typically be supported up to 750 meters.	• Point-of-Sale and In-store Advertising • Information and Entertainment Distribution • Educational Installations • Healthcare Facilities • Worship Halls

Specifications

Bandwidth	Flat to 60 MHz (video) / 10Hz to 20kHz (audio)
Connectors	BNC or RCA (video) / (2) RCA (audio) to RJ45 (pairs 2, 3 & 4 - Cat5)
Crosstalk	>50dB (video)
Impedance	600:600 (audio)
Isolation	Audio: 500 V (per channel)
Power In	9-12 VAC, 800mA min. with supplied Adapter.
Distance	Up to 1000 ft
Dimensions	AV608: 260 x 165 x 32 mm (10.3 x 6.5 x 1.3 in) AV602/603: 140 x 85 x 40 mm (5.5 x 3.4 x 1.6 in)
Net Weight	AV608: 1.5 kg (3.4#) AV602/603: 0.2 kg (0.4#)

Product Ordering Information

AV602	Isolated Video/Audio Source, (1) FBNC + (2) RCA Jack to RJ45 Jack, pins 1,2,3,6,7&8
AV603	Isolated Video/Audio Source,(3) RCA Jack to RJ45 Jack, pins 1,2,3,6,7&8
AV608	UTP Audio/Video Distribution Hub, 8 Channel

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