

CATS™ Video Distribution System

Distance: up to 1000 ft

Receivers: up to 16 receivers for multi-point distribution

Bandwidth: 5 MHz (-1 DB)

Optional Features: rack-mount unit for professional installation, stand-alone unit for shelf-mount or “set-top” installation, Marantz receiver with integrated CATS™ Audio / Video Distribution system

The CATS™ Video System overcomes the problems inherent with today’s heavy gauge cables. Wiring has always been the most challenging job in any video home theater system, CCTV or security and surveillance system. Heavy gauge cable hookups and installation is the most time consuming, laborious, and expensive part of the system. Degradation of the video performance due to noise pick-up, ground loops, signal loss, high-frequency roll-off, reflections, group delay distortion, and other maladies has been an issue with long cables. Others have attempted to alleviate these problems by using inefficient and expensive cables costing \$30 - \$60 / ft. or more. Even then, the noise, hum, and signal attenuation issues have not been fully addressed.

The Complete Audiophile Transmission System, or CATS™, is a high performance system for the distribution of broadcast quality video signals on cost effective category 3 or category 5 wires. The system is based on Pragmatic's proprietary Bandwidth Domain Signal Processing [BDSP™] technology. The BDSP™ technology enables transmission of the highest quality video signals up to 1000 ft. on a standard category 5 or un-shielded twisted pair wires without any loss in the performance, dynamic range, or quality.

The state-of-the-art BDSP™ technology completely eliminates any ground loops, noise pick-up, or hum at the end of the transmission distance. It also provides for superb video reproduction, and a very high resolution to fine details in the picture quality.

The CATS™ Video system is the ultimate in video signal distribution. Up to 16 receivers can be daisy-chained or tapped on to the category 5 wires. The CATS™ system transmitter accepts video signals from any high quality camera, and transmits it on the category 5 wires. The CATS™ system receiver recovers the signal from the category 5 wires and superbly reproduces the original video signal utilizing the BDSP™ technology.

There are numerous advantages of the CATS™ system. First, it allows the multi-point distribution and broadcasting of video signals to any location within 1000 ft. on a category 5 wire. Up to 16 receivers can be connected in parallel or daisy-chained together on a single wire within the coverage area to provide a complete omnipresent network. The range can be extended to many miles or many receivers beyond 16 units by configuring a simple repeater system.

The applications of CATS™ are endless. It may be used for Home Theater video distribution, broadcast TV video distribution, CCTV, perimeter monitoring, prison system, airport security, school campuses, hospitals, and many others. The CATS™ Video distribution system is designed to be a companion to our CATS™ Audio distribution system. Both systems may co-exist and share the same cable.

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Pragmatic Communications Systems, Inc.

2934 Corvin Drive, Santa Clara, CA 95051, USA

Tel. (408) 735 0300

Fax. (408) 735 0800

www.pragmatic1.com

Applications:

Home Theater video distribution
Remote video extension to
bedroom or den
Send DVD, laser disc, VCR, or
DSS output to remote rooms
Broadcast studio video
distribution
Video extension for remote
monitors
CCTV and security video
distribution
Video delivery between buildings
Remote camera video monitoring
Video distribution over low-cost
unshielded twisted pair wires

Features & Benefits:

Up to 1000 ft. distance
Up to 16 receivers for multi-point
distribution
5 MHz bandwidth (-1 DB)
Eliminates ground-loops, noise
pickup, and hum
DVD quality video reproduction
Much higher quality than long-
distance coax
Much higher quality than channel
modulators
Uses low-cost, multi-function
category 5 wires
Much lower cost than fiber optic
or other high-end approaches

No adjustment or alignment
necessary from 0-1000 ft.
Options include:
Rack-mount unit for
professional installation
Stand-alone unit for shelf-
mount or "set-top"
installation
Marantz receiver with
integrated CATS™
Audio/Video Distribution
system

Architect Specifications:

The unit shall be a high performance system for the distribution of broadcast quality video signals on economical category 3 or category 5 wires within 1000 ft. It shall have a 5 MHz bandwidth. It shall require no adjustment or alignment from 0-1000 feet. I shall allow up to 4 video signals on a single category 5 wire and up to 16 receivers for multi-point distribution. It shall be able to send DVD, laser disc, VCR, or DSS output to remote rooms. It shall have multiple options including available video signal distribution, rack-mount unit for professional installation, stand-alone unit for shelf-mount or "set-top" installation, and a Marantz receiver with integrated CATS™ audio/video distribution system.

The unit shall be a Pragmatic CATS™ Video Distribution System.

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