

# CCT-1 / CCR412 CAMERA-COM



## AUDIO SURVEILLANCE SYSTEM

Camera-Com is an add-on audio surveillance system used to enhance the security of any CCTV video installation. The addition of audio dramatically improves the response time of security personnel. The ability to hear the ambient audio in the surveillance zone more than doubles the security of that area.

Security personnel will be alerted to danger in the observed area even if the danger is out of sight of the CCTV camera. Personnel will be alerted to security problems without having to observe them visually. The built-in Automatic Volume Control maintains the listening volume regardless of the sound level in the observed area. You will hear foot steps and shouts equally well. A video camera only looks in one direction at a time, the Camera-Com monitors in all directions all the time.

The Camera-Com continues to deliver audio surveillance even if the camera is disabled or the lens is capped.

Since the Camera-Com uses the same coax as the video picture, sound can be added without additional cables. The Camera-Com can be used with switchers, remote control, and video amplifiers. It can be powered by the same 24VAC transformer as the video camera. Simply mount the transmitter in the area to be monitored and the receiver in the control room, that's it.

Sound waves are detected by a microphone in the CCT-1 Transmitter, processed to produce a steady volume, then Frequency Modulated onto a Subcarrier that is superimposed upon the video signal produced by the Camera. This subcarrier does not interfere with the picture produced by the camera. The CCT-1 Transmitter is located near the camera in the area to be monitored.

At the CCTV Monitor location, the CCR412 Receiver is connected to the coaxial cable from the Camera and receives the Subcarrier sent by the CCT-1. The Receiver decodes this signal and delivers the audio to the earphone jacks and also an RCA connector for connection to an optional Amplified Speaker or audio input to the TV monitor.

The unit comes with a mounting flange for easy installation. Simply screw the transmitter to the wall in the area to be monitored. Next connect to the camera power and video cables. Repeat these steps for the Receiver and the installation is complete. CAMERA-COM will not interfere with a camera remote control system and will pass DC power on the coaxial cable when used with DC operated cameras.

#### CCT-1 TRANSMITTER FEATURES

Video Standard  
Audio Carrier Frequency  
Audio Modulation  
Automatic Volume Control  
Video Input Level  
Transmission Range  
Impedance  
Connectors (2)  
Video Loop-Through Response  
Power Requirements  
Mechanical Size  
Enclosure

#### SPECIFICATIONS

CCTV, NTSC, PAL  
10.7 MHz  
FM +/- 75KHz Dev.  
35 dB Range  
1 Vpp (140 I.R.E units)  
2500' (RG59U Cable)  
75 Ohm (Source)  
BNC (Female)  
0 - 6MHz (Passes DC)  
24 VAC (Camera power)  
5.5"L x 3"W x 2"H  
Bone Color (UL 94-V0)

#### CCR412 RECEIVER FEATURES

Video Standard  
Cable Input Level  
Audio Squelch  
Impedance  
Video Connectors  
Audio Connectors  
Video Loop-Through Response  
Power Requirements  
Mechanical Size  
Enclosure

CCTV, NTSC, PAL  
1 Vpp (Video+Subcarrier)  
Subcarrier Controlled  
75 Ohm (Termination)  
BNC (Female)  
RCA and Miniature Phone  
0 - 6MHz (Passes DC)  
+/-12 VDC (RMS400)  
1.5"W x 5.3"H x 10"L  
PC Card for RMS400

The CCR412 is a PC card that fits into the RMS400 Power Supply and Mainframe. The CCR312 contains two CAMERA-COM receivers on one PC CARD to reduce mainframe space and increase package density. Nine CCR412 units will fit into one RMS400. This provides for 18 receiver channels in just 3 RU (rack spaces).