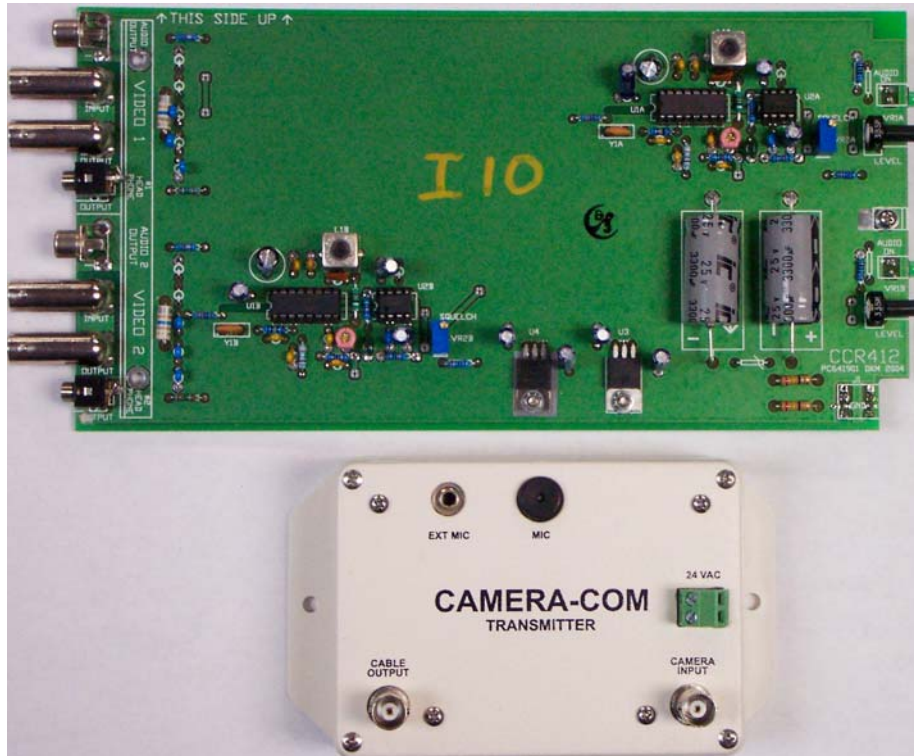


CCT-1 / CCR412



CAMERA-COM AUDIO SYSTEM

INSTRUCTION BOOK
IB6308-01

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DESCRIPTION

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 ambient audio in the surveillance zone more than doubles the security of that area. Since the CAMERA-COM uses the same coax as the video picture, sound can be added without additional cables, making it simple to install and convenient. It will save you the expense of running new audio cables back to the monitor point. Any video cable in your system can carry the CAMERA-COM signal.

The CCT-1 Camera-Com Transmitter is the module used to Encode and transmit the audio signal. A built-in microphone picks up the ambient audio at the camera. Simply connect the power supply and use the existing video cable back to the monitor site.

The CCR412 Camera-Com Receiver is the slid-in card used to receive and decode the audio signal. Simply connect the cable coming from the CCT-1 transmitter to the cable input connector and connect the monitor or other equipment to the VIDEO OUTPUT connector. Then use headphones or connect your amplified speaker or audio system to the RCA connector marked AUDIO OUTPUT. Slide the card into the RMS400 Power Supply and you are ready to go.

The CCT-1 is housed in a white ABS enclosure that has a UL flame rating of 94-VO and is powered by any 24VAC power transformer.

MOUNTING INSTRUCTIONS

The rugged one piece mounting structure allows you to mount the CCT-1 firmly in place with two screws. Select a place to mount the unit away from harsh or wet environments, indoors is recommended. The CCT-1 should be located near the camera you wish to use and the CCR412 near your monitors or the place you wish to bring the video signal to. Select a position that gives you the best access to cable the system and reduces the labor in installation.

HOW TO CABLE THE CCT-1

Connect the CCTV camera's output cable to the BNC connector marked "CAMERA INPUT". Then connect the cable going back to the monitor point to the BNC connector marked "CABLE OUTPUT". It is not necessary for power to be on at this time, the video path will only be interrupted during the cable attachment. BE SURE TO TERMINATE THE END OF THE VIDEO CABLE WITH A 75 OHM TERMINATION OR PROPERLY TERMINATE INTO OTHER EQUIPMENT. Next connect the 24VAC power cube to the green terminal block marked 24VAC. It is also possible to use the existing camera 24VAC power supply.

HOW TO CABLE THE CCR412

Connect the video cable coming from the CCT-1 to the BNC connector marked "CABLE INPUT". Then connect a cable from the BNC connector marked "VIDEO OUTPUT" to the monitor, recorder or other video equipment. **BE SURE TO TERMINATE THE END OF THE VIDEO CABLE WITH A 75 OHM TERMINATION OR PROPERLY TERMINATE INTO OTHER EQUIPMENT.** Next slide the card into the power supply and mainframe RMS400. The power will come on when the card is seated in the mainframe. Connect audio headphones or connect an audio cable from the RCA connector marked "AUDIO OUTPUT" to and amplified speaker, tape recorder or other audio equipment. Repeat these steps for each of the two channels on the card.

POWER SUPPLY INSTALLATION

The CCT-1 is powered by a 24 VAC wall mount power transformer. Connect the 24 VAC power transformer to the Green terminal block marked AC 24V. A 24VDC power source can also be used if necessary. Power for the CCR412 is supplied by the RMS400 power supply and mainframe. See instructions for RMS400.

OPERATION

The CAMERA-COM transmitter detects the ambient audio in the area of the camera and modulates that audio on a carrier of 10.7MHz. A built-in Automatic Gain Control circuit maintains the audio level constant so that loud and soft sounds can be heard equally well. Standard Frequency Modulation is used to relay that information to the monitor point. The CAMERA-COM receiver demodulates the FM signal and produces two audio outputs. The phone output is used with a pair of headphones. The standard audio output is used with a amplified speaker, tape recorder or any other audio equipment you wish to connect.

CARE AND MAINTENANCE

There is no routine maintenance or calibration required with this equipment. There are no field adjustable controls inside the box.

APPLICATIONS (WHERE TO USE THE SYSTEM)

This system can be used anywhere that a video signal in coax cable exists. Some uses are in a CCTV camera "original build", or in an add-on installation.