



The CBR-4CSq, a 4-camera, color, simplex video multiplexer

The CBR-4CSq is an economical four channel, Color video Multiplexer designed for simple installation and operation in virtually any sized CCTV system. The CBR-4CSq is so simple, no user set up is required.

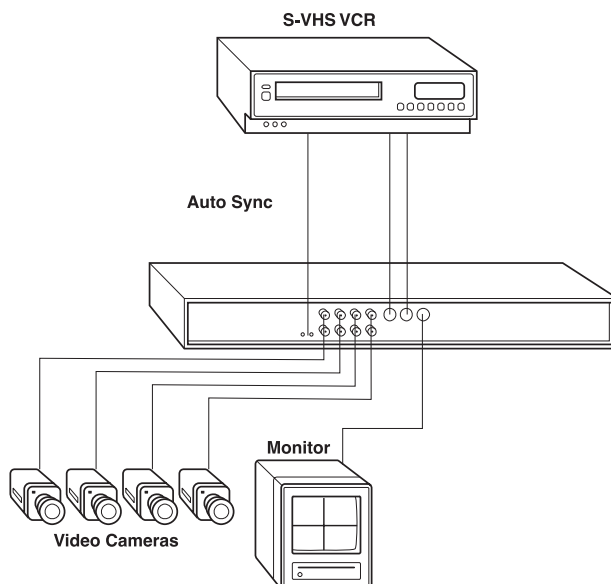
Among the many user and installer friendly features, the CBR-4CSq will automatically start recording when it receives a VEXT pulse from a VCR. VEXT ensures correct VCR synchronization regardless of the recording speed selected or how often it is changed. Even the new 24 hour Real Time VCRs are easily synchronized using VEXT. In addition, the CBR-4CSq can sense which camera inputs are actually connected and automatically configures the unit to record only those cameras. Should video be lost from a camera, automatic Video Loss Detection will notify the user.

VCR set up is accomplished by setting external DIP switches or by connecting the VEXT feature. 720 pixel resolution ensures a crisp, high resolution Broadcast-quality video output is provided.

While recording, the user has several display options including Quad, full-screen or Sequencing full-screen. In addition, the exclusive AutoList™ feature permits the user to create custom sequence lists and custom dwell times. No matter how the live images are being displayed, the CBR-4CSq is always locked in the record mode eliminating the chance of operator error. In playback, all four cameras can be viewed in Quad or sequencing, or just one may be selected and displayed full-screen. In addition, the “freeze” feature permits a one-touch pause of the replay for closer scrutiny.

Features

- Fast recording speed, up to 30 unique pictures per second
- VEXT automatic VCR record speed synchronization
- High-resolution display in record and playback
- Live or playback in quad, full-screen or sequencing display
- One-touch “freeze”
- Record mode lock eliminates operator error
- Video loss notification
- AutoInstall™ with AutoList™, automatic camera detection, automatic gain control
- Optional 19” rackmount kit



System Diagram

The CBR-4CSq provides high-resolution picture signal and rapid-speed record output when connected to cameras and a time-lapse VCR. VEXT provides automatic and precise multiplexer/VCR synchronization.

Technical Specifications

Video

Display memory: 2048 x 2048 memory array, 32 MB total display memory
Colors: YUV 4:2:2, 16.8 million colors
Grayscale : 256 levels
Horizontal resolution: 720 pixels
Vertical resolution: 484 active lines
Sampling rate: 17.7 MHz (PAL/CCIR), 14.2 MHz (NTSC/EIA)

Installation

Record speed: 8 switch selectable speeds: 2 hr, 12 hr, 24 hr, 48 hr, 72 hr, 120 hr, 168 hr, 240 hr. When VEXT is active, speed control is automatic.
Record lock: Locks unit in record mode, switch selectable.
VEXT edge: Selects VEXT pulse switch edge, internal jumper. Installer use only.
AGC range: Installer use only. Used for cameras with abnormally high white levels, beyond EIA standards. Selects a higher range, per camera input, for the AGC to operate within, 4 internal jumpers.

Electrical

Input voltage: 12 VDC, 90 V - 264 V AC/DC adapter included
Power: 25 W nominal

Environmental

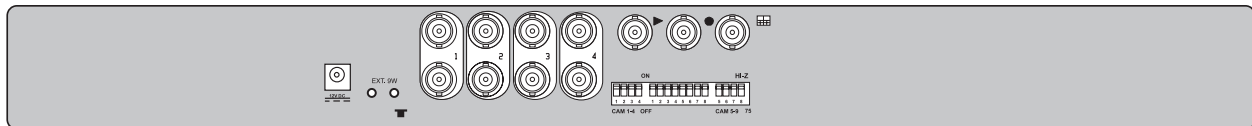
Temperature: 0 to 40° C (32 to 104° F), operating
Relative humidity: 90%, noncondensing

Physical

Dimensions: 17.5 x 14 x 1.7 in. (444 x 360 x 43 mm)
Weight: 9 lbs. (4 kg.)

Ordering Information

CBR-4CSq: 4-camera, simplex, color, NTSC/EIA
CBR-4CSqX: 4-camera, simplex, color, PAL/CCIR
CBR-RK2: Optional 1U rackmount kit



Rear Panel Inputs and Outputs

Inputs

Camera: 4 BNC connectors, NTSC/EIA or PAL/CCIR compatible.
VCR: 1 BNC connector, NTSC/EIA or PAL/CCIR compatible.
Conditioning: AGC, 0.7 to 2.0 Vp-p composite video inputs accepted. AGC Range switch per camera, via internal jumpers for cameras with abnormally high white levels.
Termination: Manual ON/OFF 75 ohm on rear panel, per camera.

Outputs

Monitor: 1 BNC connector, NTSC/EIA or PAL/CCIR compatible.
VCR: 1 BNC connector, NTSC/EIA or PAL/CCIR compatible.

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