



The CBR-9CSq, a 9-camera, color, simplex video multiplexer

The CBR-9CSq is an economical 9-channel, color video multiplexer designed for simple installation and operation in virtually any sized CCTV system. The CBR-9CSq is so simple, no user setup is required.

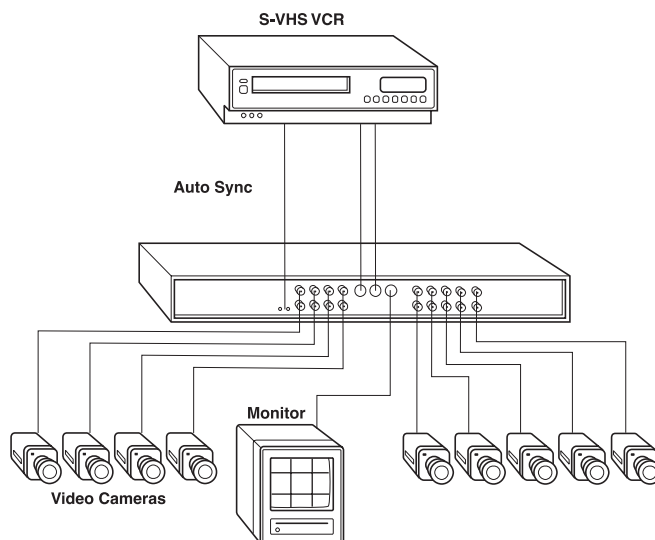
Among the many user- and installer-friendly features, the CBR-9CSq will automatically start recording when it receives a VEXT pulse from a VCR. VEXT ensures correct VCR synchronization regardless of the recording speed selected or how often it is changed. Even the new 24-hour Real Time VCRs are easily synchronized using VEXT. In addition, the CBR-9CSq 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 setup is accomplished by

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

While recording, the user has several display options including 9-way, 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-9CSq is always locked in the record mode, eliminating the chance of operator error. In playback, all 9 cameras can be viewed in 9-way, 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 9-way, programmable 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-9CSq 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
Power: 9 W nominal

Environmental

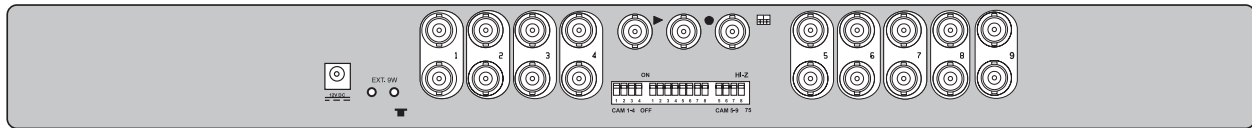
Temperature: 0 to 40° C (32 to 104° F), operating
Relative humidity: 90%, noncondensing

Physical

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

Ordering Information

CBR-9CSq: 9-camera, simplex, color, NTSC/EIA
CBR-9CSqX: 9-camera, simplex, color, PAL/CCIR
CBR-RK2: Optional 1U rackmount kit



Rear Panel Inputs and Outputs

Inputs

Camera: 9 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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