

Crestron C2N-MMS Multi-Media Switcher



The C2N-MMS is a high resolution 3x2 composite/S-video switch and 4x2 RGBHV crosspoint switch combined in one package that extends the video switching and processing capabilities of the MP2 and MP2E control systems. When used in combination with the MP2/MP2E, the C2N-MMS delivers total control of a room's composite, S-video and RGB video resources.

Professional Video Switching—The onboard 3-in 2-out high bandwidth video crosspoint distributes up to 3 S-video/ composite video sources to 2 destinations—great for sending sources to presentation displays such as plasma screens or projectors while previewing other sources on a Crestron touchpanel. A separate onboard 4-in 2-out RGB video crosspoint distributes RGB video from up to 4 computer sources to either of the two RGB outputs.

RGB Video Control—Each RGB output channel features optional frequency and level compensation with a 3dB signal boost, enabling the system to handle cable lengths over 100 feet. A blanking feature disables the video output before switchover to another computer source, eliminating visible transients. The optional C2N-MMS-SC scan converter card adds the capability to convert RGB video with resolutions up to 2048x1536 to composite or S-Video, NTSC or PAL. This makes the C2N-MMS ideal for VCR recording of presentations in their entirety—including computer sources. The scan converter card option also works great when using the C2N-MMS in conjunction with video codecs, to convert computer sources to lower resolution video for faster transmission.

Automatic Sync Detection—Each video/RGBHV input features built-in sync sensing to detect the presence of

the source connected to the C2N-MMS and to provide real-time feedback. This feedback can be used by the Crestron control system to automatically turn on the projector, select the proper input or audio preset, and even dim the lights upon sensing an active video source. Feedback can also be displayed on Crestron touchpanels to identify active sources connected via wall plates to the C2N-MMS. By changing the appearance of icons or buttons on the touchscreen in real time, users always know the status of their video sources.

Crestron System Builder™—Programmers can design a complete video switching solution in minutes with Crestron System Builder™ software. Simply follow the prompts and System Builder automatically creates a professional control system program ready to be uploaded to the 2-Series processor or customized with the Crestron Application Builder™. Alternatively, Crestron's SIMPL™ Windows software offers practically unlimited options for programming and customization.

- > 3x2 composite/S-video crosspoint (100 MHz bandwidth)
- > 4x2 RGBHV video crosspoint (400 MHz bandwidth)
- > Built-in sync sensing on all video/RGBHV inputs
- > RGB video blanking feature
- > Built-in frequency and level compensation with 3db signal boost
- > Optional scan converter allows any computer source up to 2048 x 1536 to be switched to any composite/S-video device in NTSC or PAL format
- > Connects via Cresnet to any 2-Series Control System
- > Compact 1 rack unit size

Crestron C2N-MMS Video Switcher

Connectors

Video inputs: (6) BNC
Total of 3 video sources (composite or S-video)
Automatic sync detection

Video outputs: (4) BNC
Total of 2 outputs (composite or S-video)

RGBHV inputs: (4) DB15
Automatic sync detection

RGBHB output: (2) DB15
Frequency and level compensation
3dB signal boost

Cresnet: (2) 4-pin mini Phoenix

Video Crosspoint

3x2: Total of 3 video sources (composite or S-video) switchable to two video outputs

4x2: (requires optional scan converter card): Total of 4 RGB sources switchable to two S-video/composite video outputs

RGB Video Crosspoint

4x2: 4 computer sources switchable to 2 RGBHV outputs

Resolutions: 460x400 to 2048x1536

Supported Signal Formats

NTSC and PAL

Bandwidth

RGB: 400MHz

Video: 100MHz

Environmental

Operating temperature: 41° to 104° F (5° to 40° C)

Relative humidity: 10% - 90% RH (non-condensing)

Power Requirements

6W (0.25A @ 24 VDC)

Dimensions

Height: 1.7 in (4.32 cm)

Width: 17.03 in (43.26 cm)

Depth: 7.15 in (18.16 cm)

Weight

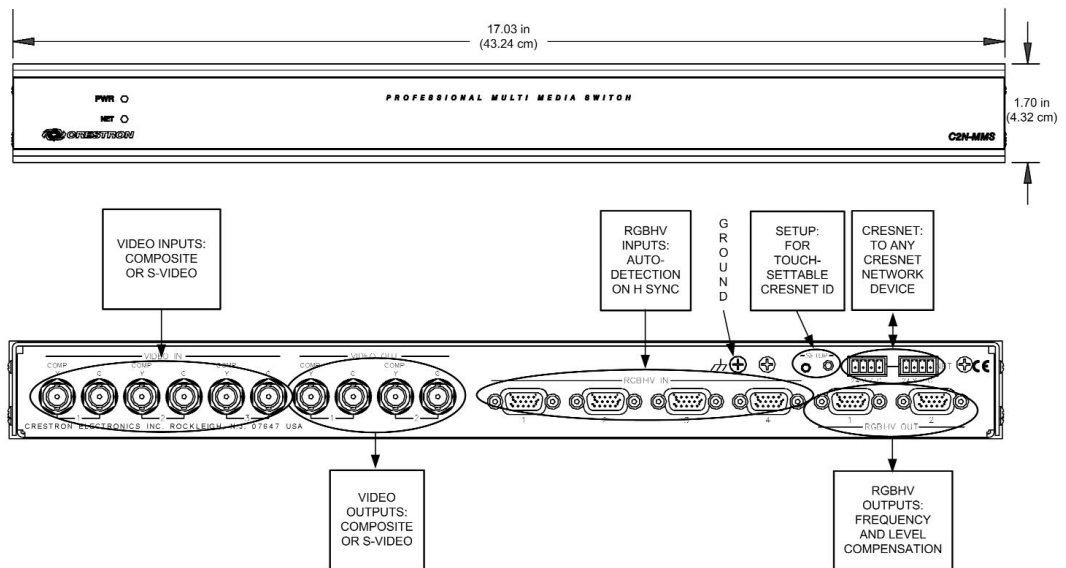
3.4 lb (1.5 kg)

Options

C2N-MMS-SC: Scan converter card for the C2N-MMS

Converts RGB video with resolutions up to 2048x1536 to S-video or composite video

Routes any RGB video source to either of the two S-video/composite video outputs



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