

Crestron QM-FTMCSC

QuickMedia™ FlipTop Media Center

with Cable Storage Compartment



mediamanager
by crestron

As the perfect front end for Crestron's MediaManager family of low-cost AV distribution products, the ingenious QuickMedia FlipTop line provides a range of elegant, integrated multimedia interface and control solutions in a stylish flush-mount tabletop design.

FlipTop Housing—Handsomely finished in either black anodized or brushed aluminum, the QM-FTMCSC mounts flush in any tabletop surface for a clean, professional appearance. The sleek design of the flip top lid features an integrated keypad to provide programmable pushbutton control at every interface location. Wiring for the QM-FTMCSC is extremely simple requiring just a single CresCAT™QM cable (sold separately).

Multimedia Interface—Individual inputs are provided for composite, S-Video, and RGB/component signals, each with corresponding stereo audio, to accept connections from portable AV devices and computers. For complete connectivity, the QM-FTMCSC also includes an AC power receptacle.

Cable Storage Compartment—Connectivity for computer signals is facilitated using easy pull-out RGB and audio cables (included), which attach to inputs hidden beneath the table surface and stow neatly within the FlipTop compartment when not in use. Excess cable simply drops out-of-sight below the box through grommets provided in the bottom plate. Network connectivity is easily included using any third-party LAN cable.

Integrated Keypad—The customizable keypad provides 10 to 20 programmable pushbuttons for control of AV, lighting, and other functions. All button caps are engravable and include LED feedback indicators. Two LED bargraphs are also provided to display level settings and other parameters. To prevent accidental button presses, the keypad is automatically disabled whenever the lid is not fully opened.

AV Switcher and Mic Preamp—The built-in 3X1 switcher includes audio breakaway to allow the three program audio inputs to be switched independent of the video and RGB inputs. Additionally, two gated microphone inputs are included via terminal block connectors located below the table surface. Both dynamic and condenser type microphones are supported with software switchable 48V phantom power available at both microphone inputs. Balanced or unbalanced line-level sources such as wireless microphones can also be accommodated. Input gain and gating controls for each microphone/line input are fully adjustable at setup, and can also be controlled in real-time from a keypad or touchpanel.

QuickMedia™ Transport—Using Crestron's revolutionary QuickMedia transport, all input signals are transmitted from the QM-FTMCSC to any QuickMedia Receiver or Distribution Center over a single inexpensive CAT5e or CAT6 cable*. Computer resolutions up to 1600 X 1200 pixels at 60Hz are supported over cable runs up to 328 feet. Audio signals are transmitted digitally with high-performance 24-bit resolution. QuickMedia dramatically simplifies system design and installation, affording a higher level of performance at a lower overall cost.

MediaManager System Integration—Whether using just one FlipTop Box or several, complete system operation can be made transparent to the end-user with all signal routing occurring smoothly under the command of the MediaManager control system. Built-in video sensing on every video/RGB input can be utilized to trigger automatic input selection and power control. Complete MediaManager systems can be configured easily for a variety of applications using Crestron SystemBuilder™ software.

- > *Stylish Flush-Mount FlipTop Housing*
- > *Composite, S-Video and RGB/Component Inputs*
- > *3 Stereo Audio and 2 Gated Mic/Line Inputs*
- > *3X1 Switcher with Audio Breakaway*
- > *Video Sensing / Auto-Switching*
- > *Integrated Keypad w/Dual Bargraphs*
- > *LAN Cable Pass-thru and AC Power Outlet*
- > *QuickMedia Transport / Cresnet Communications*
- > *Low-cost, Quick and Easy Installation*
- > *Easy Setup Using Crestron SystemBuilder Software*
- > *Easy Pull-out VGA Cable Management*

AVAILABLE MODELS

QM-FTMCSC-B FlipTop Media Center w/Cable Storage, Black Anodized

QM-FTMCSC-BALUM FlipTop Media Center w/Cable Storage, Brushed Aluminum

SPECIFICATIONS

Connectors - Front Panel

S-VIDEO: (1) 4-pin mini DIN female, S-Video input
Input Impedance: 75 ohms
Maximum Input: 1 V_{p-p}
Signal detection on Y

S-VIDEO AUDIO: (2) RCA female, unbalanced stereo line-level audio input
Maximum Input Level: 2 V_{RMS}
Input Impedance: 10k ohms

VIDEO: (1) RCA female, composite video input
Input Impedance: 75 ohms
Maximum Input: 1 V_{p-p}
Signal detection

VIDEO AUDIO: (2) RCA female, unbalanced stereo line-level audio input
Maximum Input Level: 2 V_{RMS}
Input Impedance: 10k ohms

125V: (1) 3-prong grounded AC socket, AC power pass-thru outlet
Maximum Load: 10 Amps @ 125 Volts AC, 50/60 Hz

Connectors - Bottom Panel

COMPUTER: (1) DB15HD female, RGB(VGA)/Component video input
Formats: RGBHV, RGBS, RGsB, YPbPr
Input Impedance: 75 ohms (R/P_R, G/Y, and B/P_B), 1k ohms (H and V)

Crestron QM-FTMCSC QuickMedia™ FlipTop Media Center with Cable Storage Compartment

Maximum Input: 1 V_{P-P} (R/P_R , G/Y , and B/P_B), 5 V_{P-P} (H and V)

Signal detection on H, Y, and G_S

Connects to 6' RGB/audio cable assembly (included)

COMPUTER AUDIO: (1) 3.5mm TRS mini phone jack

Unbalanced stereo line-level audio input

Maximum Input Level: 1 V_{RMS}

Input Impedance: 10k ohms

Connects to 6' RGB/audio cable assembly (included)

MIC/LINE 1 - 2: (2) 5-pin 3.5mm detachable terminal blocks

(2) Balanced microphone/line inputs

Balanced Mic Input Level: -60 to -20 dBV nominal

Balanced Line Input Level: -28 to +12 dBV; 4 V_{RMS} maximum

Unbalanced Input Level: -34 to +6 dBV; 2 V_{RMS} maximum

Mic Input Impedance: 10k ohms, accepts balanced microphones 60 to 600 ohms

Line Input Impedance: 22k ohms (balanced), 11k ohms (unbalanced)

Phantom Power: 10 mA (total) @ 48 Volts DC, software enabled to both inputs

125V: (1) 6' Grounded line cord, passes through to front panel AC power outlet

QM: (1) 8-wire RJ45 female, QuickMedia output port

Connects to QM input port of another QuickMedia device via CresCAT-QM or CAT5e/6*

NET: (2) 4-pin 3.5mm detachable terminal blocks, Cresnet slave ports, paralleled

Connect to NET ports of other Crestron devices via CresCAT-QM or Cresnet cable

G: (1) 6-32 screw, chassis ground lug

Buttons

Keypad: Programmable keypad allowing variable combinations of large and small engravable buttons, 10 minimum (all large) to 20 maximum (all small); ships with 10 large buttons (small buttons and engraving sold separately)

SETUP (bottom): Used for touch-settable ID (TSID)

LED Indicators

Button Feedback: (1 per button, red) programmable

Bargraphs: (2, red) 8-segment programmable bargraphs

PWR: (green) Indicates 24 Volts DC power supplied from Cresnet control network

NET: (yellow) Indicates communication with Cresnet system

SETUP (bottom): (red) Used for touch-settable ID (TSID)

RGB/Component/HDTV

Gain: 0dB (75 ohm termination)

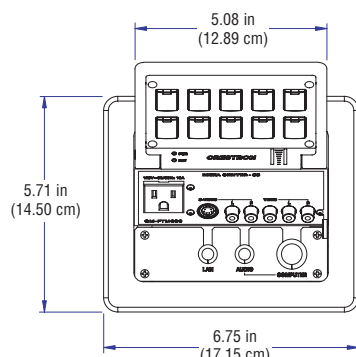
Maximum Resolution/Refresh Rate: 1600 x 1200 @ 60Hz (at unity gain) with cable length of 100 meters and maximum compensation at receiver

EDTV/HDTV Formats: Supports up to 720p and 1080i

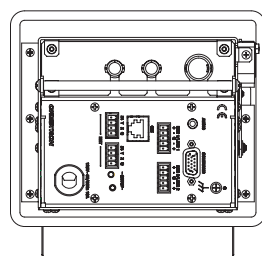
Video/S-Video

Gain: 0dB (75 ohm termination)

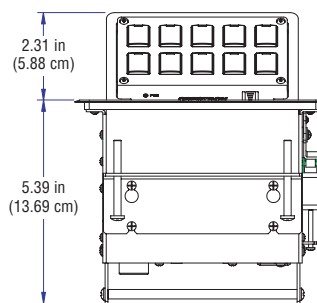
Bandwidth: >100MHz (-3dB) at unity gain



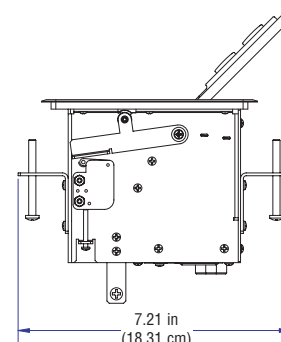
Top View
(without mounting brackets)



Bottom View
(without mounting brackets)



Front View



Right Side View

3X1 Stereo Audio Switcher and 2-Channel Mic Preamp

Mic Level Indicators (via software): 20 dB below clip (Norm), 6 dB below clip (Overload)

Mic Input Gain: 0 to 100 % (0 to 40 dB) plus mute

Gate Level (Threshold): 0 to 100 %

Attack: 0 to 100 mS

Decay (Release): 0 to 5000 mS

A-D Conversion: Burr Brown 24-bit, 48 kHz

Frequency Response: 20Hz to 20kHz

Power Requirements

Cresnet Power Usage: 8 Watts (0.33 Amp @ 24 Volts DC)

Environmental

Temperature: 41° to 104°F (5° to 40°C)

Humidity: 10% to 90% RH (non-condensing)

Enclosure

Black painted metal with black anodized or brushed aluminum cover; flush tabletop mountable

Dimensions

Height: 5.39 in (13.69 cm) – with lid closed

Width: 6.75 in (17.15 cm)

Depth: 5.71 in (14.50 cm) – without mounting brackets

Weight

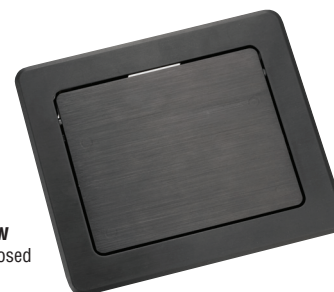
4.05 lbs (1.84 kg)

For **INTERNATIONAL VERSION (230 VAC)** use **QMI-FTMCSC (-B or -BALUM)**

(Consult manual for specifications)

* For QuickMedia wiring use CresCAT-QM or quality CAT5e/CAT6 cable; the maximum aggregate cable length and delay skew between any QM transmitter (origination point) and QM receiver (endpoint) is 328 ft (100m) and 22 nS (15 nS if using a QM-RMCRX receiver); a maximum of two QM midpoint devices may be inserted in a given QM signal path (exceptions apply, refer to each respective product manual for full detail).

Top View
with lid closed



AVAILABLE ACCESSORIES

FT-BTNB-L

(1) Large engravable button cap

FT-BTNB-S

(2) Small engravable button caps