

QM-FTMC FlipTop Media Center



control system. Built-in video-sensing on every input can be utilized to trigger automatic input selection and system power control.

Handsomely finished in either black anodized or brushed aluminum, the QM-FTMC mounts flush in any tabletop surface for a clean, professional appearance. Wiring is extremely simple requiring just one CAT5e or CAT6 cable* and one Cresnet control cable (available together as CresCAT™QM, sold separately).

Complete MediaManager systems can be configured easily for a variety of applications using Crestron System Builder™ software.

AVAILABLE MODELS

QM-FTMC-B

FlipTop Media Center, Black Anodized

QM-FTMC-BALUM

FlipTop Media Center, Brushed Aluminum

SPECIFICATIONS

Connectors - Front Panel

S-VIDEO: (1) 4-pin mini DIN female
S-Video input

75 ohms terminated

Maximum input: 1V p-p

Video sync detection on Y

S-VIDEO AUDIO: (2) RCA female

Unbalanced stereo line-level audio input

Maximum input level: 2 Vrms

Input impedance: 10K ohms

VIDEO: (1) RCA female

Composite video input

75 ohms terminated

Maximum input: 1V p-p

Video sync detection

VIDEO AUDIO: (2) RCA female

Unbalanced stereo line-level audio input

Maximum input level: 2 Vrms

Input impedance: 10K ohms

COMPUTER: (1) DB15HD female

RGBHV (VGA) input

75 ohms terminated (R/G/B)

Maximum input voltage: 1V p-p

Maximum H and V Sync: 5.0V p-p into 620 ohms

Video sync detection on H-SYNC

The QM-FTMC provides a stylish flush-mount tabletop interface and control solution as the front end for a MediaManager™ AV presentation system. Composite, S-Video, and RGB inputs are provided, each with corresponding stereo audio, to accept connections from portable AV devices and computers. For complete connectivity, the QM-FTMC also includes an RJ45 LAN pass-thru connector and AC power receptacle.

Integrated into the QM-FTMC's flip top lid is a sleek pushbutton control panel, providing 10 to 20 programmable pushbuttons for control of AV, lighting, and other functions. To prevent accidental button presses, the keypad is disabled whenever the lid is not fully opened. All button caps are engravable and include LED feedback indicators. Two LED bargraphs are also provided to display level settings and other parameters.

The built-in 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.

Audio signals are converted to 24-bit digital and transmitted along with video and RGB to any QuickMedia Receiver or Distribution Center over a single CAT5e or CAT6 cable* via Crestron's exclusive QuickMedia™ transport. 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

AVAILABLE ACCESSORIES

- QM-FTCMK
FlipTop Cable Management Kit

FlipTop Media Center **QM-FTMC**

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

Unbalanced stereo line-level audio input

Maximum input level: 1 Vrms

Input impedance: 10K ohms

LAN: (1) 8-pin RJ45 female

Ethernet LAN pass-thru jack

125V: (1) 3-prong grounded AC socket

Grounded AC power pass-thru outlet

Maximum load: 10 Amps @ 120 Volts AC

Connectors - Bottom Panel

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: -20 to +12 dBV; 4 Vrms maximum

Unbalanced input level: -20 to +6 dBV; 2 Vrms maximum

Mic input impedance: 10k ohms, accepts balanced microphones

60 to 600 ohms

Line input impedance: 4k ohms (balanced), 2k ohms (unbalanced)

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

LAN: (1) 8-pin RJ45 female

Passes through to front panel LAN jack

125V: (1) IEC Socket

Mates with removable power cord, included

Passes through to front panel AC power outlet

QM: (1) 8-wire RJ45 female

QuickMedia output port

Connects via CAT5e/6* to QM input port of another

QuickMedia device

NET: (1) 4-pin 3.5mm detachable terminal block

Cresnet slave port

Connects to Cresnet control network

Buttons

Keypad: (10 - 20) replaceable engravable buttons, programmable

LED Indicators

Button feedback: (1 per button, red) programmable

Bargraphs: (2, red) 7-segment programmable bargraphs

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

NET: (yellow) Indicates communication with Cresnet system

Video

Gain: 0dB (75 ohm termination)

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

RGB

Gain (R/G/B): 0dB (75 ohm termination)

Maximum resolution/refresh rate: 1600x1200 @ 60Hz

(at unity gain)

With cable length of 100 meters and maximum compensation at receiver

Maximum CAT5e/6 cable delay skew: 15ns per 100 meters

3X1 Stereo Audio Switcher and 2-Channel Gated Mic Preamp

Mic level indicators (via software): 20dB below clipping (Norm), 6dB below clipping (Overload)

Mic input gain: 0 to 100 % (0 to 40 dB) plus mute

Gate level (threshold): 0 to 100 %

Attack: 1 to 100 mS

Decay (release): 1 to 5000 mS

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

Frequency response: 20Hz to 20kHz

Power Requirements

Cresnet Power Factor: (To be determined)

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)

Width: 6.75 in (17.15 cm)

Depth: 5.71 in (14.50 cm)

Weight

(To be determined)

** CAT5e/CAT6 cable must have a delay skew of less than 15ns per 100m for use with the QuickMedia transport; purchase CresCAT-QM for the most cost-effective cabling solution; maximum aggregate cable length is 300 feet from QM transmitter to QM receiver; a maximum of two QM distribution centers may be inserted inline.*

