MCM-50

External warping, blending and color matching box optimized for F50 WQXGA series

The MCM-50 serves as input processor on the F50 WQXGA series projectors allowing geometry correction, color correction, brightness monitoring and electronic blending up to 120 Hz . By using a real-time on-screen user interface, the MCM-50 helps achieve the performance known from Barco's higher end simulation projectors. In this way, this box enables several multi-channel configurations with multiple F50 projectors at native 120 Hz frame rates.

Suited for mono and 3D-stereo sources

The MCM-50 handles both mono and stereo sources up to 120 Hz. Native WQXGA Active or passive stereo sources are converted into an active flicker-free stereo signal up to 120 Hz.

Four DisplayPort 1.1 inputs allow up to 2 sources to be connected in two columns of 1280 by 1600 pixels offering a full 2560*1600 pixel canvas . Both mono (including encrypted HDCP content) and stereo sources are shown synchronously with the input, at a minimum delay.

Easy to control

The MCM-50 can be controlled by means of an IR remote with an on-screen menu, or through IP. The latter allows easy integration with touch panels for convenient source switching and different geometry files.

Suitable for all environments:

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PRODUCT SPECIFICATIONS	MCM-50
Inputs	4 times DisplayPort 1.1a that allows native WQXGA up to 120Hz in : -two columns 2 x 1280 x 1600 -four columns 4 x 640 x 1600 (mono content only) -four quadrants 4 x 1280 x 800 (mono content only) -Stereo sync input on 4 mini-din connectors or embedded on DP cables.
Input frequency	From 48-120 Hz
Outputs	2 times DisplayPort 1.1a to drive WQXGA F50 projector native in two columns 2 x 1280 x 1600
Output frequency	Synchronous mode : 48-120 Hz Assynchronous : 60 Hz mono or 120 Hz stereo
Network connection	Ethernet 10/100 RJ45
WARP	Hardware based real-time warping with easy on-screen menu
Color correction	Advanced color matching (Dynacolor) with linking capability
Features	Pixel accurate alfa and beta planes -Advanced electronic blending -outstanding anti aliasing
Mechanics	Rack mount kit included
Control	Through IR remote control or IP
Dimensions (HxWxD)	4 RU 295 mm x 290 mm x 215 mm (11.6" x 11.4" x 8.46")
Weight	6.11 kg (without packaging); 7.11 kg (with packaging)
Power	External power supply: 100-250V 50/60 Hz
Power consumption	77.3 W
Heat dissipation	264 BTU/h
Stereo support	Both passive and active stereo input capabilities
Compatibility	F50 WQXGA series
Electromagnetic Interference	Complies with FCC rules & regulations, part 15 Class A and CE EN55022 Class A
Ambient temperature	Max: +40°C	104°F Min: +10°C	50°F Storage: -35°C to +65°C	−31°F to 149°F
Humidity	Storage: 0 to 98% rel. humidity, non-condensing Operation: 0 to 95% rel. humidity, non-condensing

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Technical specifications are subject to change without prior notice. Please check www.barco.com for the latest information.

ENABLING BRIGHT OUTCOMES

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