

# MCM-100s

## External warping, blending and color matching



The MCM-100s brings Barco's rewarded multi-channel features to an external device. This interface allows geometry correction, color correction, and electronic blending on corporate HD or WUXGA projectors, with a real-time on-screen user interface and the performance known from Barco's higher end simulation projectors.

The MCM-100s handles both mono and stereo sources up to 120 Hz. Stereo sources can be connected with a single active stereo signal or by means of a left and right passive stereo signal. Lower frame rate active stereo sources at e.g. 60Hz can be upscaled to 120 Hz to avoid flicker. Multiple MCM-100s can be synchronized to easily allow multi-channel stereo displays.

### Multiple options to connect

A twin Dual link DVI-D input and two extra input layers for additional inputs (such as DVI/D15 or analog RGBHV) are by default part of the MCM-100s' basic package. Its dual link DVI output follows synchronously the selected input source.

The MCM-100s can be controlled by means of an IR remote control or through IP - by means of the optional XDS-Racu software suite. The latter can control a complete display with multiple MCM-100s's, driving several Barco RLM W-series projectors, from a single control PC.

### Suitable for all environments

- Corporations: multi-channel based meeting rooms, both flat and curved
- Training displays as used in naval, driving and ATC simulators
- 3D visualization as used in automotive, oil & gas, scientific research and urban planning
- Theme parks

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## Product specifications

## MCM-100s

|                                     |   |
|-------------------------------------|---|
| <b>Standard inputs</b>              | Twin dual link DVI-D up to WUXGA @120 Hz (300 Mhz pixel clock)  |
| <b>Optional Inputs</b>              | Two free modular input layers   |
| <b>Input modules</b>                | Single DVI-D/D15, RGBHV, Composite video , S-video, HDSDI, Twin dual link DVI-D                         |
| <b>Output</b>                       | Dual link DVI connector (1920*1080 up to 120 Hz (HDTV 1080p timings)and 1920*1200 up to 120 Hz)         |
| <b>WARP</b>                         | Real time geometry correction. Very intuitive on screen user interface with up to 33*33 control points. |
| <b>Color correction</b>             | Uses Dynacolor algorithms with linking capabilities   |
| <b>Stereo support</b>               | Active stereo support (50/60 Hz and 100/120 Hz)   |
| <b>Passive Stereo</b>               | Passive stereo input using optional Twin Dual DVI-D input. (50 or 60Hz Left/right)                      |
| <b>Ambient temperature</b>          | Max.: +40°C or 104°FMin.: +10°C or 50°FStorage: -35°C to +65°C (-31°F to 149°F)                         |
| <b>Electromagnetic Interference</b> | Complies with FCC rules & regulations, part 15 Class A and CE EN55022 Class A                           |
| <b>Humidity</b>                     | Storage: 0 to 98% rel. humidity, non-condensingOperation: 0 to 95% rel. humidity, non-condensing        |
| <b>Power</b>                        | External power supply: 110-220V 50/60 Hz  |
| <b>Power consumption</b>            | 90 W  |
| <b>Heat dissipation</b>             | 306 BTU/h   |
| <b>Dimensions (HxWxD)</b>           | 200 x 430 x 274mm 7.9 x 16.9 x 10.8 inches  |
| <b>Weight</b>                       | 6.78 kg (without packaging); 11.76 kg (with packaging)  |