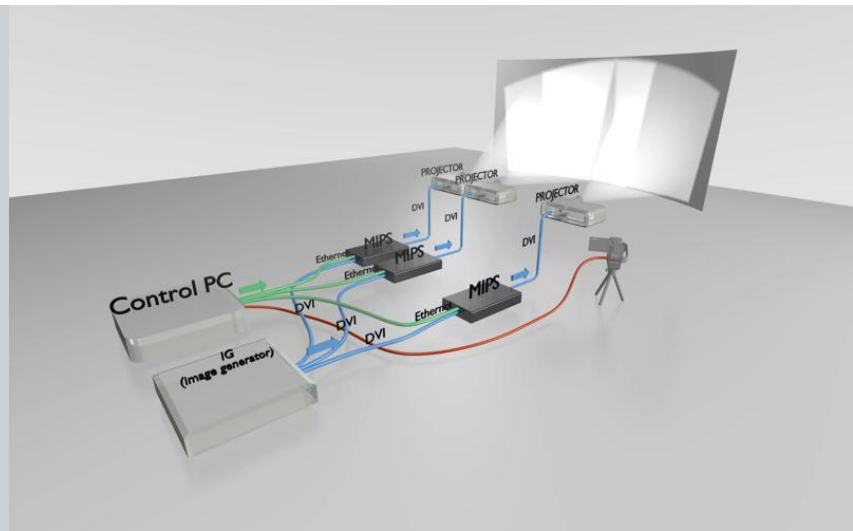# Precision

Automated warp & blend tool for multi-channel installations

The Precision auto-alignment tool from Barco offers a simple and fast solution to an otherwise complicated procedure. With a single camera and a PC you can achieve perfect blends on multi-channel installations, on both flat and cylindrical surfaces. It is an automated camera-assisted system for warping and edge-blending. Any multi-channel system will eventually drift over time, creating the need for realignment. This can be a time consuming, disruptive and difficult task. With Precision you can perform automatic realignment at the simple click of a button and it only takes a couple of minutes. It must be used together with the Barco WB-series or MCM series image processors and supports any combination of channels, horizontally and vertically, 1x2, 2x1, 1x3, 2x3, 3x3 etc. It also supports image stacking of any number of channels, for redundancy, increased brightness or 3D stereoscopic installations.

What equipment do you need?

Next to the projectors and the image generator that produces overlap, you need (* not supplied by Barco):

- WB2560, WB1920 or MCM100 image processor (one per projector). Current WB's or MCM's can also be retrofitted with Precision

- Digital camera (see list of supported cameras) *

- PC running Windows OS *

- Network communication between the PC and the image processors *

BARCO

Benefits

- Provides stable and flawless blends over time

- Can be used with any display device supporting DVI input, up to WQXGA resolution per channel

- No license required for use with new WB1920 (R9801223) and WB2560 (R9801224) image processors

- High-performance blending and warping for a seamless multi-channel image

- Supports any combination of channels and image stacking

- Precision is very easy to use and significantly reduces alignment times

Product specifications	PRECISION
General specifications	
Compliance	FCC Class A, CE, CUL
Input/Output	Dual link DVI in/out, Ethernet (control), IEC power connector
WARP	yes
Blend	yes
Color correction	no
Dimensions	per channel (W x H x D) 43.5 x 216 x 275.5 mm
Physical Resolution	per channel WB: Up to WQXGA, 2,560 x 1,600 pixels (WB2560) Up to WUXGA, 1,920 x 1,200 pixels (WB1920)
Power requirements	100 – 120 VAC, 200 – 240 VAC, 50/60 Hz, less than 30W
Supported surfaces	flat surface: yes cylindrical surface: yes spherical surface: no
Camera support	Logitech C910, C920, Pro9000 Canon T1i(500D), T2i(550D), T3i(600D), T3(1100D)
Lens support	Canon 18-55mm, Canon 10-22mm
Control PC	Windows 7, Vista, XP Pro
DHCP	yes
HDCP	no
Latency	less than 1 frame
3D	Stereo 1,920 x 1,200 @ 120 Hz (WB2560) 1,280 x 800 @ 120 Hz (WB1920)
Installation	1/2 width. 1RU rack mount. Rack mounting kit available

Last updated: 15 Mar 2023

ENABLING BRIGHT OUTCOMES

BARCO