

# Helios Studio Edition



R E S I D E N T I A L



### Key features

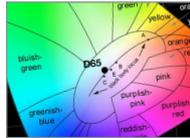
helios studio edition have all hand selected optical components, matched lamps and each projector is built to order, not mass produced. The result of this unique approach make the helios studio edition brighter with better uniformity, better contrast and an even wider colour gamut than most competitors.



Optical Engine - helios studio edition is not your "standard" 3-chip projector. All competing 3-chip projectors on the market use the same standard optical engine across the board. In order to achieve maximum performance from the technology, Barco has created a completely unique 3-chip design that is unlike anything else. We also use a robot to automatically align the DMD. The revolutionary design of the helios studio edition optical engine provides advanced benefits for the high end home theater customer.



The helios can be configured with optical DCI compliant colours filter pre-installed. That means a projector that is configured for a REC709 Home Theater can be turned into a fully compliant film grading machine just by pressing a key on the remote. The quality embraced by the film professionals is now made available to the public.



With the helios studio edition we support most of the available 3D formats existing today, we have a unique system which is module based and can be installed on the rear end of the projector (XPort™). The hst can not only be used as a bluray 3D projector, but also to support 3D gaming, 3D photo, 3D broadcast and other 3D formats in all resolutions and with close to no limitations. helios studio edition is the ultimate solution for the home theater. The projector has built in support for DLLink™ active shutter glasses, RF and IR 3D glasses.



### Technical specifications

		helios studio edition
projector		full HD 1080p home cinema DLP® projector
display	concept	three chip, 0.95" 1080p DC4 DMD™
	Brightness	1920 x 1080 resolution 12fl at 280° diagonal (6000 lumens)
	compatibility	1080i/p, 720p, 576i/p, 480ip, PAL SECAM, NTSC digital and analogue RGB
	optics and lamp	signature series projection lenses standard projection lenses
optics and lamp	lens offset	1.70 - 2.55, 2.5 - 4.00, 3.90 - 6.24 : 1 0.74:1, 1.2 - 1.70 : 1
	contrast	adjustable: vertical ±117%, horizontal ±84% >10000 : 1 (native optical contrast)
	lamp	2x 400W FusionPlus VIDI UHP™
	lamp life expectancy	2500 hours typical in standard power mode 2000 hours in high power mode
	connectivity	video
connectivity	control	LAN (TCP/IP), RS232, USB IR remote control with IR repeater input AMX Device Discovery, Crestron Certified Partner
	general	power requirements dimensions (d x w x h) weight conformances available colours warranties



**What is it?**  
The XPort™ DCC120 Dual Channel Combiner is a unique optional image processor built for optx 3D with XPort™ 1 extended connectivity. It allows any system setup to benefit from 120Hz frame rate on digital inputs, reducing image smear and judder, whilst at the same time enabling all formats of 3D from any input.

**What does it do?**  
The Xport™ DCC120 converts any two connectors of either DVI-D, VGA, HDMI 1.3 or 1.4 or 3G-SDI into one sequential stream of up to 120Hz. Perfect for any existing infrastructure, adding benefits to this whilst saving cost.



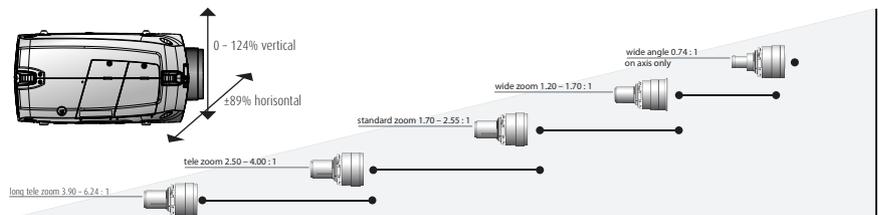
**What is it?**  
The XPort™ HDMI 1.4 is a module with two HDMI 1.4 connectors with supporting electronics. It support all the new specifications defined by the HDMI group. It support 3D up 120Hz( Full, Line by line, Side by Side, Top/Bottom and Checkerboard).

**What does it do?**  
Flexibility in a little connector. The new XPort™ HDMI 1.4 module uses adaptive frame rate control, meaning the module allows for any frame rate in to any refresh rate out. For example 15fps input to 120hz output. The module will also use Content Adaptive Motion Estimation and Motion Compensation to dramatically improve motion performance, all frame by frame panning will be perfectly smooth.

### SIGNATURE SERIES



### Comprehensive range of projection lenses



Multiple lens options allow for flexibility in installations.

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