

Processor	Brompton SX40	Brompton S8	Brompton S4	HELIOS* JR	HELIOS 4K	HELIOS 8K	eV4
Inputs SDI	1 x 12G-SDI	1 x 12G-SDI		Optional (max. 4 inputs)	1 x 12G-SDI	4 x 12G-SDI	4 x 3G-SDI
Inputs HDMI	1 x HDMI2.0b	1 x HDMI2.0b		1 x HDMI2.0b	1 x HDMI2.0b	1 x HDMI2.0b	2 x HDMI 2.0 (with loop)
Inputs DVI			1 x DVI	1 x DP1.4 HBR3	1 x DP1.4 HBR3	1 x DP1.4 HBR3	4 x DVI
Inputs DisplayPort							2x DP
DVI Max							
Input/Loop Width							
Support Input Resolution 8 Bit	4096x2160@60Hz	4096x2160@60Hz	1920x1080@60Hz	4096x2160@60Hz (HDMI/DP) or 8192x4320@30Hz (DP)	4096x2160@60Hz (HDMI/DP) or 8192x4320@30Hz (DP)	4096x2160@60Hz (HDMI/DP) or 8192x4320@30Hz (DP)	
10 Bit	4096x2160@60Hz	4096x2160@60Hz		4096x2160@60Hz (HDMI) or 5120x2880@60Hz (DP)	4096x2160@60Hz (HDMI) or 5120x2880@60Hz (DP) or 8192x4320@60Hz (SDI)	4096x2160@60Hz (HDMI) or 5120x2880@60Hz (DP) or 8192x4320@60Hz (SDI)	4096x2160 @60Hz

\*HELIOS is a grow system and can accommodate up to 4 x 12G-SDI and HDMI + DP or HDMI/HDMI or DP/DP

Output Ports	40 RJ45 / 4 XD distributor	8 Neutrik Gigabit Ethernet	4 Neutrik Gigabit Ethernet	8 RJ45 1GbE	27 RJ45 / 3 switches	72 RJ45 / 8 switches	20 RJ45 / 2 EVX10 distributor
Fiber	4 x 10G to XD				3 x 10G SFP+ to switches	8 x 10G SFP+ to switches	2 x 10G to eVX10
Max Output Per Port	350,000 px @60Hz 12 bit	350,000 px @60Hz 12 bit	350,000 px @60Hz 12 bit	425,000 px @60Hz 12 bit	425,000 px @60Hz 12 bit	425,000 px @60Hz 12 bit	493600 pixels @60 @10 bit

Control Ports/Protocol	Gigabit Ethernet	Gigabit Ethernet	Gigabit Ethernet	Gigabit Ethernet	Gigabit Ethernet	Gigabit Ethernet	1 x USB2.0 B (female)
	DMX-512	DMX-512		WEB interface	WEB interface	WEB interface	1 x USB2.0 A (loop out)
	Art-Net	Art-Net	Art-Net	sACN	sACN	sACN	Ethernet
	sACN	sACN	sACN	extensive Rest API	extensive Rest API	extensive Rest API	Art-Net and Rest API
	Tessera Control	Tessera Control	Tessera Control				

Max Width/Height	4094/4095	4094/4095	2880/2880	8192/4320	8192/4320 or 16384/2160	8192/4320 or 16384/2160	8192/4096
Panel Rotation	90°/180°/270° only	90°/180°/270° only	90°/180°/270° only	90°/180°/270° only	90°/180°/270° only	90°/180°/270° only	Different Config File needed
Crop Function	Y			Y	Y	Y	
Zoom Function	Y	Y		Y	Y	Y	Y
Brightness Adjustment	Y	Y	Y	Y	Y	Y	Y
Chromaticity Adjustment	Y, OSCA	Y, OSCA	Y, OSCA	Y	Y	Y	
Color Gamut Transformation	Y, w/ DynaCal	Y, w/ DynaCal		Y	Y	Y	
Gray-Scale at Low Brightness	Y, Dark Magic	Y, Dark Magic	Y, Dark Magic	Y, Light Science (22-32bpc)	Y, Light Science (22-32bpc)	Y, Light Science (22-32bpc)	Y
Pip Function Support				with optional SDVoE input	with optional SDVoE input	with optional SDVoE input	Y
3D Display				Y with L-eye / R-eye inputs	Y with L-eye / R-eye inputs	Y with L-eye / R-eye inputs	Y (optional)
Compatible With	R2 receiving cards	R2 receiving cards	R2 receiving cards	PX1 receiving cards	PX1 receiving cards	PX1 receiving cards	i6, i9 and later receiving cards
	LC-LC PC/UPC Duplex Single Mode Fiber				LC-LC UPC Single Mode Fiber	LC-LC UPC Single Mode Fiber	LC-LC PC/UPC Duplex Single Mode Fiber
GEN Lock	Y	Y		Y	Y	Y	Y
GEN Lock Loop	Y	Y					Y
Closed Loop Redundancy	Y	Y	Y	Y (upcoming)	Y (upcoming)	Y (upcoming)	Y
Processor Redundancy	Y			Y	Y	Y	Y
Latency With All Features	2 frames	2 frames	2 frames	2 frames (panel dependent)	2 frames (panel dependent)	2 frames (panel dependent)	2 frames (with progressive input signals)
Latency In Low Latency Mode	1 frame	1 frame		1 frame	1 frame	1 frame	1 frame
Ultra Low Latency Mode							
Power In	IEC C14 Connector	IEC C14 Connector	IEC C14 Connector	IEC C14 Connector	IEC C14 Connector	IEC C14 Connector	Neutrik powerCON True-1 connector
				Redundant PSU	Redundant PSU	Redundant PSU	
Control Display				Y	Y	Y	Y
Weight	10 kg	10 kg	5.5 kg	8 kg	8 kg	8 kg	10 kg
Power Consumption	100 - 240V AC, 1.2 - 0.6A	100 - 240V AC, 1.2 - 0.6A	100 - 240V AC, 0.4 - 0.2A	100 - 240V AC, 50Hz/60Hz, 3A	100 - 240V AC, 50Hz/60Hz, 3A	100 - 240V AC, 50Hz/60Hz, 3A	150W
Height	2U	2U	1U	1U	1U	1U	2U

