


**8K**   
Full 8K + HDR  
Video Pipeline

  
Only 1RU  
with Redundant Power

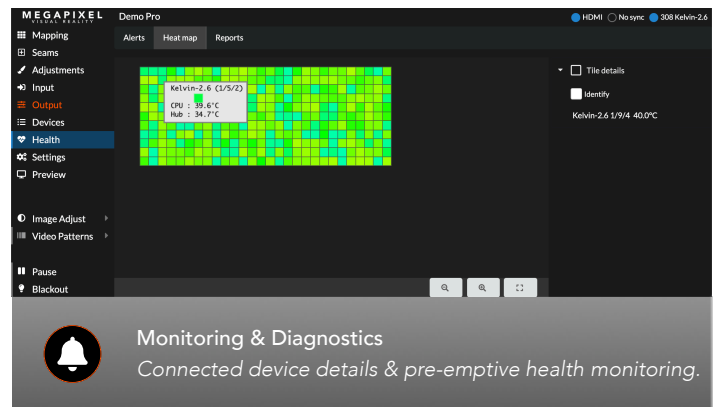
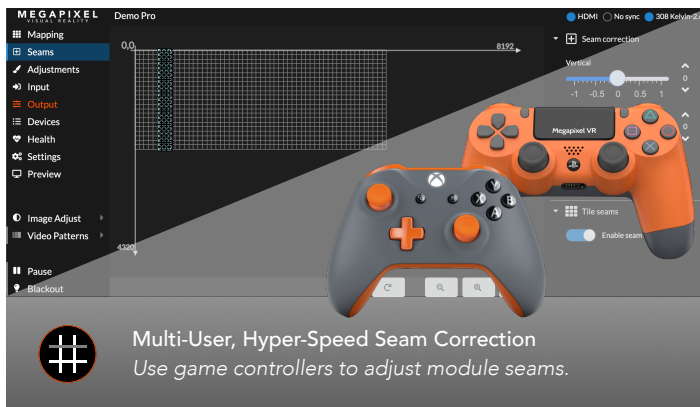
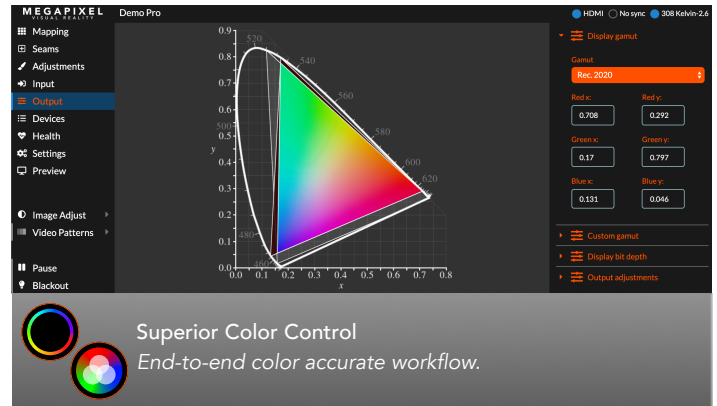
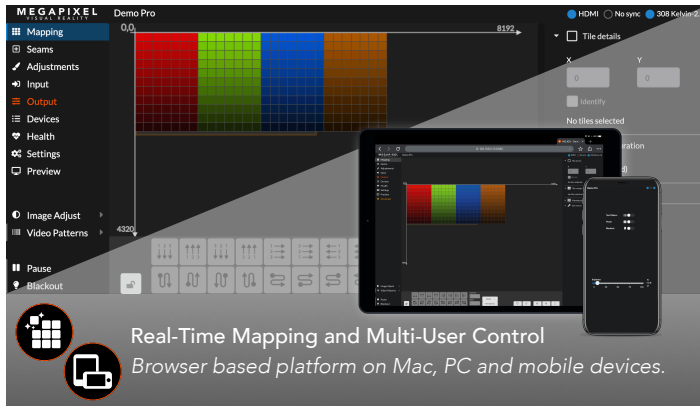
   
HDMI 2.0 and  
DisplayPort 1.4

  
4 x SFP  
SDI/ST-2110 Inputs

  
80Gbps Fiber  
Output



Megapixel VR's HELIOS® LED Processing Platform reimagines processing from the ground up to support large-format LED displays for use in demanding pro AV, broadcast and installation applications. Leverage the newest 8K and HDR formats to drive screens with the greatest visual impact in only 1RU.



Specifications	HELIOS Jr	HELIOS 4K	HELIOS 8K
Inputs	1 x DisplayPort 1.4 up to 8K* and 1 x HDMI 2.0 up to 4096 x 2160		
	1 x 12G SDI up to 4096 x 2160		4 x 12G-SDI up to 8K
	—		4 x SMPTE 2110 up to 8K**
	—	Stitch together same format inputs as a single input canvas (up to 4x SDI, 2x DP, or 2x HDMI)	
Frame Rates	23.98, 24, 25, 29.97, 30, 48, 50, 59.94, 60,120, 240Hz***		
HDR Support	HDR, HLG, PQ   Customizable EOTF parameters and re-mappable mastering levels		
Outputs	8 x 1G Copper SFP	3 x 10G Fiber SFP+	8 x 10G Fiber SFP+
Genlock	Analog Tri-level VSync		
Management	Cross-Platform Web Interface		
(W x H x D in mm/in) Dimensions	1RU   481.5 x 44.2 x 393 (19 x 1.7 x 16.3)		
(in kg/lbs) Weight	5.7 (12.6)		
Power	100 - 240V AC, 50Hz/60Hz, 3A   Redundant internal power supplies		
Operating Conditions	Indoor   10°C ~ 35°C		
API	REST API available for system integration		

\*HBR3 support up to 5K @ 60Hz or 8K @ 30Hz | \*\*Coming Soon | \*\*\* At reduced resolution (120 & 240Hz modes)

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