**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



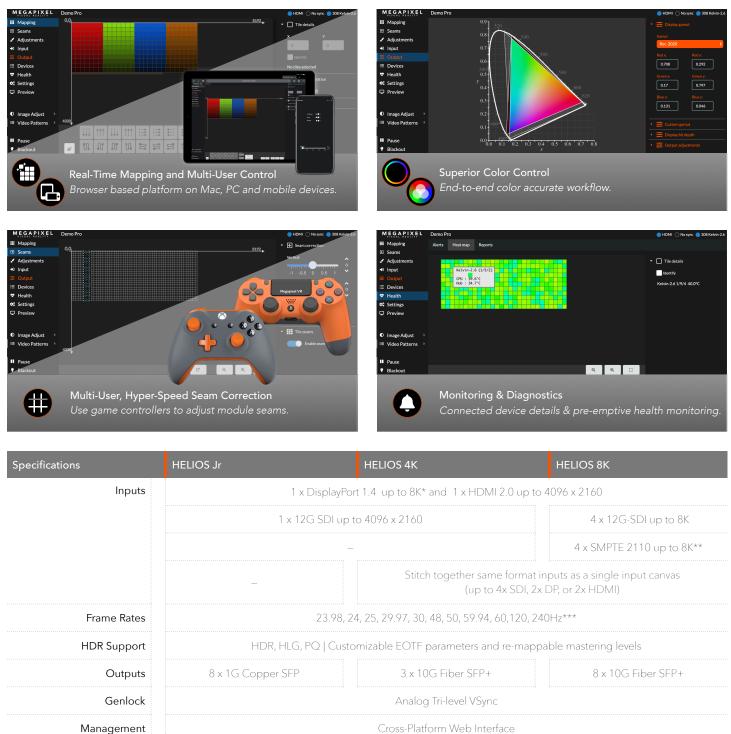Megapixel VR's HELIOS® LED Processing Platform reimagines processing from the ground up to support large-format LED displays for use in demanding pro AV, broadcast and installation applications. Leverage the newest 8K and HDR formats to drive screens with the greatest visual impact in only 1RU.

**Real-Time Mapping and Multi-User Control**
*Browser based platform on Mac, PC and mobile devices.*



**Superior Color Control**
*End-to-end color accurate workflow.*



**Multi-User, Hyper-Speed Seam Correction**
*Use game controllers to adjust module seams.*



**Monitoring & Diagnostics**
*Connected device details & pre-emptive health monitoring.*

| 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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