

Flexible realtime warping and blending appliance to work with simulators, large scale displays, control rooms and scientific applications. Configurable to utilise up to 8 inputs per device and up to double-8K resolution in outputs



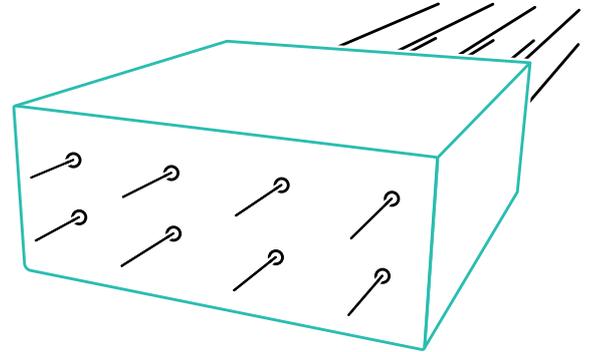
Fast pixel processing

8K

8K ready



up to 8x HD input or 2x 4K input



Form Factor

| | |
|----------------------|---------------------|
| General Design | 19' rack server 4HU |
| Dimension (WxHxD mm) | 483 x 505 x 178 |
| Weight | 28 kg |
| Power Supply | 2x integrated 850 W |

System

| | |
|-------------------------|--|
| CPU, RAM | Intel i7-6850, 32GB |
| HDD (SSD) | 1x 256 GB |
| GPU output ¹ | up to 5120 x 2880 at 60Hz via DP 1.4 up to 1920 x 1200 at 60Hz via DVI-D SL |
| GPU adaptors included | DP to DVI-D SL |
| Monitor Output | 1x DP 1.2, 1x DVI-D |

Operating System

| | |
|-----------------|-----------|
| Windows 7 x64 | installed |
| Windows 10 x 64 | - |
| VIOSO UI | yes |

Common Product Options⁴

| | | QUAD 4x DP 1.4 | OCTO 8x DP 1.4 |
|---------------|--|--------------------------|--------------------------|
| 2x DP Input | Up to 616 MPixel/s capture bandwidth per channel Captures up to 4096 x 2160p at 60Hz per input | WB-4-SCDP2 | WB-8-SCDP2 |
| 4x HDMI Input | 2x297 Mhz channels offering 3840x2160p at 30 fps 2x165 Mhz channels offering 1920x1080p at 60 fps | WB-4-SCHD4 | WB-8-SCHD4 |
| 4x SDI Input | Four channels of 1920x1080p 60fps capture Supports 32, 24, 16 and 12 bit YUV and RGB formats | WB-4-SDSDI4 | WB-8-SCSDI4 |
| 8x HDMI Input | 4x297 Mhz channels offering 3840x2160p at 30 fps 4x165 Mhz channels offering 1920x1080p at 60 fps | WB-4-2SCHD4 | WB-8-2SCHD4 |
| 8x SDI Input | Eight channels of 1920x1080p 60fps capture Supports 32, 24, 16 and 12 bit YUV and RGB formats | WB-4-2SDSDI4 | WB-8-2SCSDI4 |

Applications

| | |
|-----------------------------|--------------------------------------|
| Warping & Blending | VIOSO Blackbox ² included |
| Auto-Alignment | supported ³ |
| Desktop resolution adaption | - |
| Video Playback (max. 4K) | VIOSO Player |
| Professional Media Server | - |
| Show Control | (optional) |

I/O Interfaces

| | |
|------------|---|
| USB | 2x USB 2.0 (front) 8x USB 3.0, 2x USB 3.1 (rear) |
| Ethernet | 2x RJ45, 1GB/s |
| Serial I/O | - |

Audio Outputs

| | |
|---------------|---|
| Audio Support | - |
| Analog Out | - |
| Digital Out | - |

1. max. Displayport resolution: 5120 x 2880 at 60Hz, max. DVI-DL resolution: 2560 x 1600 at 60Hz via 3rd party adapter (not included), max. DVI-SL resolution: 1920 x 1200 at 60Hz via adapter (included)

2. Includes VIOSO Blackbox Software for managing multiple I/O configurations 3. supports camera based projector alignment; for supported cameras see http://faq.vioso.com/index.php?solution_id=1040

4. The VIOSO WarpBox is a customizable product with numerous additional options for inputs and outputs are available on request.