

## XPression 1RU 12G Engine Hardware Specifications



### Dimensions

Height	Width	Depth
42.8 mm (1.68")	48.20 cm (18.98")	57.76 cm (22.74")

### Weight

Net Weight	Gross Weight (Shipped)
12.42 kg (27.38 lbs.)	19.34 kg (42.63 lbs.)

### Hardware

<b>Chassis</b>	1RU Chassis (rackmount)
<b>Power Supply</b>	550W redundant supplies Voltage Range 100-240 VAC Input Current 7.4 A- 3.7 A
<b>Power Consumption</b>	Idle:150W Full load: 200W
<b>Noise Level</b>	Idle: 54db, Full Load: 56db, Pitch<1000Hz
<b>Temperature &amp; Humidity Range</b>	Temperature: 10-35°C (50°F-95°F) Humidity: 10% to 85% (Max dew point temperature = 40°C/104°F)
<b>System Drives</b>	2x 256GB SSD RAID 1 (Mirrored)
<b>Media Drives</b>	2x 2TB PCIe NVMe Class 40 SSD
<b>CPU</b>	Intel® Core i9-9900K, 8 Core, 16MB Cache, 3.6GHz, 5.0Ghz Turbo
<b>Memory</b>	16GB (2x8GB) 2666MHz DDR4 UDIMM Non-ECC
<b>GPU</b>	NVIDIA® Quadro RTX A4000 16GB GDDR6, 6144 CUDA Cores, 4x Display Port 1.4
<b>Video I/O</b>	Matrox® DSXLE5 12G LP

### Image File Formats

\*.tga | \*.tif | \*.psd | \*.bmp | \*.jpg | \*.gif | \*.png

### Clip File Formats

AVI | MPEG† | QuickTime† | Sequential Images

### 3D File Formats

\*.3ds | \*.obj | \*.fbx | \*.c4d ‡

† Available in the 32-bit editions only ‡ Available in the 64-bit editions only

### Inputs / Outputs

<b>Video</b>	From HD up to 12G, 1 channel out, 2 video inputs
<b>Audio</b>	Embedded Audio Only
<b>Reference</b>	1x Analog Black Burst (Bi-Level Sync) or Tri-Level Sync input

### Control

<b>Ethernet</b>	1x RJ-45 1G Ethernet Ports 1x RJ-45 10G Ethernet Ports
<b>GPI</b>	RS-232 Serial GPI, RossTalk/Smart GPI through TCP/IP
<b>USB</b>	Front Panel: 2x USB 3.1 (Type A) 1x USB 3.1 (Type C)/iGFX Display Port Rear Panel: 2x USB 3.1 (Type C)/iGFX Display Port

### Included Accessories

<b>Rackmount Kit</b>	Slide rails, handles, and mounting hardware
<b>USB</b>	2x USB Type C to USB Type A Adapters
<b>Keyboard</b>	Standard USB PC Keyboard
<b>Mouse</b>	USB mouse
<b>Security Key</b>	USB key pre-installed internally
<b>Software</b>	XPression Software dongle

### Video Formats

480i 29.97Hz (NTSC) | 576i 25Hz (PAL) | 720p 50Hz | 720p 59.94Hz | 720p 60Hz | 1080i 25Hz | 1080i 29.97Hz | 1080i 30Hz | 1080p 29.97Hz | 1080p 50Hz | 1080p 59.94Hz | 1080p 60Hz | 1080psf 23.97Hz | 1080psf 24Hz | 1080psf 25Hz | 1080psf 29.97Hz | 1080psf 30Hz | 2160p 23.97Hz | 2160p 25Hz | 2160p 29.97Hz | 2160p 50Hz | 2160p 59.94 Hz | 2160p 60Hz | 2160psf 23.97Hz | 2160psf 25Hz | 2160psf 29.97Hz | Custom Formats

### Included Software

- Microsoft® Windows® 10 Professional 64-bit O/S
- XPression software package

### Warranty

12-Month System Warranty (parts / labor)