

XPression 1RU IP 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

Chassis	1RU Chassis (rackmount)
Power Supply	550W redundant supplies Voltage Range 100-240 VAC Input Current 7.4 A- 3.7 A
Power Consumption	Idle:150W Full load: 200W
Noise Level	Idle: 54db, Full Load: 56db, Pitch<1000Hz
Temperature & Humidity Range	Temperature: 10-35°C (50°F-95°F) Humidity: 10% to 85% (Max dew point temperature = 40°C/104°F)
System Drives	2x 256GB SSD RAID 1 (Mirrored)
Media Drives	2x 2TB PCIe NVMe Class 40 SSD
CPU	Intel® Core i9-9900K, 8 Core, 16MB Cache, 3.6GHz, 5.0Ghz Turbo
Memory	16GB (2x8GB) 2666MHz DDR4 UDIMM Non-ECC
GPU	NVIDIA® Quadro RTX A4000 16GB GDDR6, 6144 CUDA Cores, 4x Display Port 1.4
Video I/O	Matrox® DSXLE5/D25/100/L

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

Video	Multi-channel HD or single-channel UHD SMPTE ST 2022-7, or SMPTE ST 2110
Audio	Embedded Audio Only
Reference	SMPTE ST 2059 (PTP)

Control

Ethernet	1x RJ-45 1G Ethernet Ports 1x RJ-45 10G Ethernet Ports
GPI	RS-232 Serial GPI, RossTalk/Smart GPI through TCP/IP
USB	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

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