XPression Maps Engine Hardware Specifications

XPN-MAPS-ENGINE-M8

Dimensions

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

Weight

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

Hardware

Chassis	1 RU chassis (rack-mount)
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)
System Drives	2x 256GB SSD RAID 1 (Mirrored)
Media Drives	2x 2TB NVMe RAID 1 (Mirrored)
CPU	Intel© Core i9-9900K, 8 Core, 16MB Cache, 3.6GHz, 5GHz Turbo
Memory	16GB (2x 8GB) 2666MHz DDR4 UDIMM Non-ECC
GPU	NVIDIA® Quadro RTX™ A4000 16GB GDDR6, 6144 CUDA Cores, 4x Display Port 1.4 Connectors
Video I/O	AJA® Corvid-44 Card

Image File Formats

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

Clip File Formats

AVI | MPEG | QuickTime | Sequential Images

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 23.976Hz | 1080psf 24Hz | 1080psf 25Hz | 1080psf 29.97Hz | 1080psf 30Hz | Custom Formats

Inputs / Outputs

Video	Up to 1 Video/Key Pair Out	2 Inputs
Audio	Not supported
Reference	1x Analog Black Burst (Bi-Level Sync) or Tri-Level Sync input

Control

Ethernet	1x RJ-45 1G Ethernet Port 1x RJ-45 10G Ethernet Port
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

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XPression

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 Software	USB key pre-installed internally XPression Software dongle

Included Software

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

Warranty

12 Month System Warranty (parts / labor and software updates)

Specifications subject to change.

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