XPression

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

Phone: +1 613-652-4886 • Technical Support: 1-844-652-0645 (North America), +800 1005 0100 (International) • 3508DR-559-02 • June 2022, © 2022 Ross Video Limited. Ross®, and any related marks are trademarks or registered trademarks of Ross Video Limited. All other trademarks are the property of their respective companies. PATENTS ISSUED and PENDING. All rights reserved. No part of this publication may be reproduced, stored in a retrieval system, or transmitted in any form or by any means, mechanical, photocopying, recording or otherwise, without the prior written permission of Ross Video. While every precaution has been taken in the preparation of this document, Ross Video assumes no responsibility for errors or omissions. Neither is any liability assumed for damages resulting from the use of the information contained herein.



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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.

