



XPression Workflow Tools Software and Hardware Compatibility Matrix

XPression Hardware Edition ▶ Software Edition ▼	Workflow Servers			
	1RU			
	XPN-HW-CORE-V3	XPN-HW-CORE-PLUS-V3	XPN-HW-CORE-WKS-V3	XPN-CORE-WKS-T-V3
XPression Designer XDS0-0001		●	○	○
XPression Developer XDV0-0001		●	○	○
XPression Offline Render Engine XPN-OFL		●		
XPression Tessera Master XPN-XTS-MAS		●		
XPression Gateway XPN-GW / XPN-GW-OFL		●		
XPression Sequencer Gateway XPN-SGW		●		
XPression Project Server XPN-PS	●			
XPression InCoder XPN-INC	●			
XPression Tick-it Core & Core Backup XPN-TICKIT-CORE / XPN-TICKIT-CORE-BKUP	●			
XPression Elect-It XPN-ELECTIT-CORE-SW	●			
XPression Maps Server XPN-MAPS-SERV		●		
XPression Maps Designer XPN-MAPS-DESIGN		●	○	○
XPression Maps Database XPN-MAPS-DATABASE	●		○	

● Best Choice ○ Good Choice (offline work on system with no RAID)

Ross Video has a complete range of technical services available to ensure that your XPression installation is a success.

Operational Training can be provided at Ross Video, on-site or on the web. Experienced Ross operators will teach your staff to get the most out of your new system and enhance your production.

Commissioning is a service to help get your graphics system properly configured, connected, and installed. This service is performed by factory trained Ross technical staff.

Technical Training can be provided at Ross Video, on-site or over the web. Technical training will teach your engineering staff the technical details of the system you have purchased. System configuration, interfaces, databases, and routine maintenance procedures are some of the topics covered.

XPression comes standard with a 1-year system warranty (parts / labor & software updates) and 5-Years for Hard Disk Drives. **Extended Warranties** on hardware and software maintenance are available for an annual fee. Technical advice is available on-line, by telephone, or email to Ross Video – **Included for the life of your system.**



XPN-HW-CORE-WKS-V3

Dimensions

Height	Width	Depth
4.3 cm (1.69")	43.8 cm (17.25")	65.6 cm (25.8")

Weight

Net Weight	Gross Weight When Shipped
12.42 kg (21.6 lbs.)	12.5 kg (27.6 lbs.)

Hardware

Chassis	1RU Chassis (rackmount)
Power Supply	2x 675W power supplies (redundant) Voltage Range 100-240 VAC Input Current 3.7 A- 7.4 A
Power Consumption	@115VAC, Idle 83.416W - Max 454.3W
Fan Noise	Between 36dB to 46dB
System Drive	465G (1x 500GB 3D NAND 2.5" SSD)
Media Drive	3.8TB (1x 4TB 3D NAND 2.5" SSD)
CPU	Intel® Xeon® W5-2455, 12-Core, 30 MB Intel® Smart Cache, 3.2 GHz, Max Turbo Frequency 4.6 GHz
Memory	64GB (4x16GB) 4800MT/s DDR5 RDIMM with ECC
GPU	NVIDIA™ RTX 4000 Ada 20GB GDDR6, 4x Display Port 1.4a Ports
O/S	Microsoft® Windows® 11 Professional for Workstation

Control

Ethernet	1x RJ-45 1G Ethernet Port 1x RJ-45 10G Ethernet Port
Serial	1x RS-232 Port 2x P/S2 Ports
GPI	Unlimited RossTalk™ Smart GPI over TCP/IP
USB	Front Panel - 2x USB 3.1 (Type A) - 2x USB Type C Rear Panel - 2x USB 3.1 (Type A)

Included Accessories

Rackmount Kit	Slide rails, handles, and mounting hardware
Keyboard	Standard USB Windows PC Keyboard (US English)
Mouse	USB 2-button mouse
Security Key Software	Either USB Hardware License or Software-based Product Key provided with software purchased separately

Supported Image File Formats

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

Supported Clip File Formats

AVI | MPEG† | QuickTime† | Sequential Images

† Available in the 32-bit editions only

Warranty

12-Month System Warranty (parts / labor)

5-Year Warranty for Solid State Drives