

XPression

Real-time motion graphics engine scales to meet any production workflow demands.



> XPression 2RU all-metal chassis

NEWS ELECTIONS SPORTS ENTERTAINMENT HOUSES OF WORSHIP SOCIAL VS/AR

Ross Video's XPression line of real-time motion graphics systems, clip servers, workflow tools, and purpose-built software applications deliver complete solutions for your most demanding tasks.

COMPACT AND POWERFUL

The new XPression real-time motion graphics systems are now available in a 2RU chassis. Utilizing a highly reliable SSD-based platform, XPression delivers even higher performance than before, XPression now fits into spaces never before possible.

At half the size of the previous hardware platform, XPression can now support twice as many 3G channels. The same HD-SDI hardware configuration can be used to grow from a single channel to four channels. Defined by the XPression software edition, expect up to four channels of 3G video and key; or a single channel of Quad-Link UHD/4K video and key.

SOFTWARE DEFINED

XPression software editions now define the channel configurations. With 8 Video I/O ports on the 2RU HD-SDI system, select the edition which is right for you.

Users can assign video I/O ports as active video inputs, video or key outputs and hardware preview outputs.

FLEXIBLE

Choose between HD-SDI or IP-based video configurations, and have the confidence that the 2RU XPression engines will scale with the needs of your facility. Increase the channel capacity by upgrading the XPression Software edition.



> XPression 2RU all-metal chassis

XPression

XPN-2RU-M7



XPN-2RU-IP1-M7 and XPN-2RU-IP2-M7



XPRESSION STUDIO AND BLUEBOX 2RU M7 PLATFORM SPECIFICATIONS

FEATURE	DESCRIPTION
OPERATING SYSTEM	Microsoft Windows 10 Professional 64-bit
MAINBOARD	ASUS WS X299 SAGE
PROCESSOR	Intel Core i7 7820x Processor 11MB Cache
MEMORY	16GB DDR4 2666 UDIMM
GPU	NVIDIA QUADRO P4000 8 GB GDDR5 1792 CUDA® Cores
RAID CONTROLLER	Intel® Rapid Storage Technology
SYSTEM DRIVE	2x 256GB SSD 12GB/s RAID 1 (Mirrored)
MEDIA DRIVE	2x 1TB SSD 12GB/s RAID 1 (Mirrored)
NETWORK	Dual RJ-45, Gigabit Ethernet Ports
POWER SUPPLY	500W (N+1) Redundant
USB	8 x USB 3.1 Gen 1 port(s) (6 at back panel, 2 at mid-board) Intel® X299 Chipset : 4 x USB 2.0 port(s) (4 at back panel) ASMedia® USB 3.1 Gen 2 controller : 2 x USB 3.1 Gen 2 port(s) (2 at back panel, Type-A + USB Type-C™) ASMedia® USB 3.1 Gen 2 controller : 1 x USB 3.1 Gen 2 port(s) (1 at mid-board)
SERIAL PORT	1 RS-232 Serial Port / Serial GPI
GEN LOCK	Black Burst, Tri-level Sync, Lock to Input Source or Free Running

XPRESSION STUDIO AND BLUE BOX VIDEO STANDARDS

FEATURE	DESCRIPTION
SD	SMPTE ST 259M
HD-SDI	SMPTE ST 292M, SMPTE ST 424M-A
QUAD-LINK UHD / 4K	SMPTE ST 425-5
IP	SMPTE ST 2022-6, SMPTE ST 2022-7, and SMPTE ST 2110

XPRESSION STUDIO AND BLUEBOX 2RU M7 GENERALHARDWARE PHYSICAL SPECIFICATIONS

FEATURE	DESCRIPTION
HEIGHT	88mm (3.46")
WIDTH	482mm (19")
DEPTH	525mm (20.67")
WEIGHT	13.9KG (30.64425lbs)

XPRESSION STUDIO AND BLUEBOX INCLUDED ACCESSORIES

FEATURE	DESCRIPTION
RACKMOUNT KIT	Slide rails, Handles and Mounting Hardware
KEYBOARD	Standard USB PC Keyboard (USA QWERTY)
MOUSE	USB 2-Button Mouse
SECURITY KEY	USB License Key pre-installed internally
SOFTWARE	XPression Software and Workflow Tools package on USB Media
WARRANTY	12-month System Warranty (Parts / Labor & Software Updates / 5-Years Hard Disk Drives

XPRESSION STUDIO AND BLUEBOX SUPPORTED VIDEO AND AUDIO FORMATS

FEATURE	DESCRIPTION
SD to 1080p SUPPORT	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
UHD and 4K SUPPORT	2160p (Quad) 29.97Hz, 2160p (Quad) 50Hz, 2160p (Quad) 59.94Hz, 2160p (2SI) 29.97Hz, 2160p (2SI) 50Hz, 2160p (2SI) 59.94Hz, Custom Formats
AUDIO SUPPORT	Embedded audio inputs and outputs • Supports up to 16 channels of embedded audio per SDI video stream.

Hardware configurations shown, subject to change.

XPression

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 productions.

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) / 5-Years 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.**

CONTACT US:

North America: 1-844-652-0645

Global: +800 1005 0100

Email: solutions@rossvideo.com

Technical Support

Emergency: +1 613 349-0006

Email: techsupport@rossvideo.com

FOLLOW ROSS VIDEO ON SOCIAL MEDIA:



https://twitter.com/#!/ross_video



<https://www.facebook.com/rossvideo>



<https://www.youtube.com/user/RossVideoLtd>



<http://discussions.rossvideo.com>

ROSS VIDEO

PRODUCTION TECHNOLOGY
EXPERTS

SOLUTIONS

Broadcast & Production
Augmented Reality & Virtual Sets
Sport & Live Events
Legislative
Mobile Production
House of Worship
Education
Corporate

PRODUCTS

Production Switchers
Motion Graphics & Clip Servers
Replay & Production Servers
Robotic & Camera Systems
Control Systems
Routing Infrastructure
Signal Processing Infrastructure
News, Live & Social Production Management
Media Asset Management

SERVICES

Creative Services
Mobile Production

© 2019 Ross Video Limited

Released in Canada.

No part of this brochure may be reproduced in any form without prior written permission from Ross Video Limited.

This brochure is furnished for informational use only. It is subject to change without notice and should not be construed as commitment by Ross Video Limited. Ross Video Limited assumes no responsibility or liability for errors or inaccuracies that may appear in this brochure.