XPression®

> **REAL-TIME MOTION GRAPHICS ENGINE SCALES TO MEET ANY PRODUCTION WORKFLOW DEMANDS.**

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 fourchannels 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

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XPression®

> **XPN-2RU-M8**

XPN-2RU-IP-M8

XPRESSION STUDIO AND BLUEBOX 2RU M8 PLATFORM SPECIFICATIONS

FEATURE	DESCRIPTION
OPERATING SYSTEM	Microsoft Windows 10 Professional 64-bit
MAINBOARD	ASUS WS X299 SAGE/10G
PROCESSOR	Intel© I7-9800X, 3.8GHZ, 16.5MB CACHE, LGA2066
MEMORY	16GB DDR4 2666 UDIMM
GPU	NVIDIA QUADRO RTX4000 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	2 x 10 Gigabit LAN Controller(s) RJ-45
POWER SUPPLY	500W (N+1) Redundant
USB	6 x USB 3.1 Gen 1 port(s) (4 at back panel, 2 at mid-board) 2 x USB 3.1 Gen 2 port(s) (2 at back panel, Type-A + USB Type-C™) 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, SMTPE ST 424M-AB
QUAD-LINK UHD / 4K	SMPTE ST 425-5
IP	SMPTE 2022-6, SMPTE 2022-7, SMPTE 2110, NDI™*

XPRESSION STUDIO AND BLUEBOX 2RU M8 GENERALHARDWARE PHYSICAL SPECIFICATIONS

FEATURE	DESCRIPTION
HEIGHT	8.8cm (3.46")
WIDTH	48.2cm (19")
DEPTH	52.5cm (20.67")
WEIGHT	13.9KG (30.64425lbs)

XPRESSION STUDIO AND BLUEBOX SUPPORTED VIDEO 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 video output stream

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)

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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 / 5-Years Hard Disk Drives (parts / labor & software updates). **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.**

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

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