XPression Studio and BlueBox User Supplied Hardware Platform

This document describes the Ross recommended hardware configuration for XPression Studio and BlueBox systems in which a customer or business partner supplies hardware. Bundled hardware + software solutions are also available from Ross Video.

Supported hardware is updated regularly with the latest information on processors, I/O boards, Hard Disk Drives, and more. Please read the specifications below to select the appropriate hardware to best meet the specific needs of your application.

Ross provides these recommendations on a best-efforts basis and cannot guarantee specific hardware performance parameters. Hardware performance and functionality is the responsibility of the hardware vendor. Customers or business partners supplying hardware are responsible for hardware installation, configuration, setup, and support.

Please feel free to contact us with questions at **solutions@rossvideo.com**.

Specifications subject to change.

Third-Party Copyright and Trademarks

All third-party product names and any registered and unregistered trademarks mentioned in this document are used for identification purposes only and remain the exclusive property of their respective owners.

Specifications

Component	Minimum	Recommended	Tested Components
Power Supply	Select a power supply based on the power and connection requirements of the system components. It is recommended to operate most computer power supplies at 40% to 80% of their total capacity for optimal efficiency and overhead.		960W EPS 12V hot-swappable 1+1 redundant power supply
Memory	8GB	16GB	16GB (2x8GB) 2666MHz DDR4 UDIMM Non-ECC
GPU	6GB GDDR5 with PCI-E slot x16	8GB GDDR6 with PCI-E slot x16	NVIDIA® Quadro® RTX4000, 8GB GDDR6, 2304 CUDA© Cores, 3x Display Port 1.4 with PCI-E slot x16
Mainboard	Select a mainboard that can support the requirements of your system components.		ASUS® X299 SAGE/10G Motherboard
CPU	6 CPU Cores @ 2.8GHz (XPression is optimized for Intel© CPUs)	8 CPU Cores @ 3.6 GHz (XPression is optimized for Intel© CPUs)	Intel© Core™ i9-10900X Cascade Lake 10 Core 3.7 GHz LGA 2066 165W
Output	• Matrox® DSXLE4L/44/100F (for HD-SDI or UHD) • Matrox® DSXLE5/D25/100 (for IP) • Matrox® XMIO3/12G/100 (for 12G) • AJA® Corvid88 (for HD-SDI or UHD) With PCI-E slot x8 or higher		• Matrox® DSXLE4L/44/100F (for HD-SDI or UHD) • Matrox® DSXLE4/E4/100F or DSXLE4/E/100F (for IP) • Matrox® XMIO3/12G/100 (for 12G) • AJA® Corvid88 (for HD-SDI or UHD) • AJA® Kona IP (for IP) • Blackmagic Design® DeckLink HD Extreme With PCI-E slot x8 or higher

ROSS®
LIVING LIVE!

Component	Minimum	Recommended	Tested Components
Storage	100GB	• System Storage: 256GB SSD • System RAID: RAID 1 (Mirrored) • Media Storage: 1 TB SSD or HDD • Media RAID: RAID 1 or RAID 5	• System Storage: 2x 256GB SSD RAID 1 (Mirrored) • Media Storage: 3x 1TB SSD RAID 5
USB	• 1 available USB port for XPression USB License • 1 available USB port for XPression Software Installer USB • 2 available USB ports for keyboard and mouse		
Keyboard / Mouse	• Standard keyboard / 2 button mouse • Optional: XPression Custom Keyboard		
Operating System	Microsoft® Windows® 10 Professional, 64 bit		