

XPression™ User Supplied Hardware Platform

Overview

This document describes the Ross recommended hardware configuration for an XPression system 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, set-up, and support.

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

Supported Hardware Configuration

Component	Details
Chassis	<ul style="list-style-type: none">• 4 RU rackmount or tower with sufficient height space for the GPU
Power Supply	<ul style="list-style-type: none">• Single 750W PSU (minimum)• Redundant 960W PSU 1+1 (optional)
Memory	<ul style="list-style-type: none">• Minimum: 8GB DDR3• Recommended: 8GB DDR4
SD Output Board	<ul style="list-style-type: none">• Decklink Studio
HD Output Board	<ul style="list-style-type: none">• Matrox® X.mio2 5000 I/O• Corvid88 (for XPression Quad or HD)• Corvid22 (for single channel SD or HD)• Decklink 4K Extreme (for single channel SD or HD)
GPU	<ul style="list-style-type: none">• Minimum: nVIDIA GTX 980, 4GB• Recommended: nVIDIA® GTX 1080 8GB 256-Bit GDDR5
Mainboard	<ul style="list-style-type: none">• ASUS X99-E WS USB 3.1
CPU	<ul style="list-style-type: none">• Minimum: Intel® Core™ i7-5960X Processor 15MCache• Recommended: Intel® Core™ i7-6900K Processor 15MCache <p>(XPression is optimized for Intel CPUs)</p>
HDD	<ul style="list-style-type: none">• 4x 1TB RAID 1+0 LSI® MegaRAID® SAS 9361-4i
CD-ROM Drive	<ul style="list-style-type: none">• DVD-RW drive
USB	<ul style="list-style-type: none">• 1 available USB port for security key
Keyboard / Mouse	<ul style="list-style-type: none">• Standard keyboard• 2 button mouse
3D Input Device	<ul style="list-style-type: none">• 3D Connexion (optional)
Operating System	<ul style="list-style-type: none">• Windows 7 Pro 64 bit

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