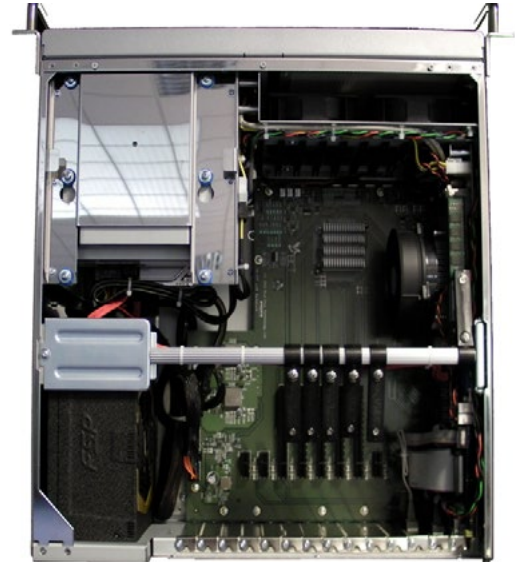


ULTIMA 5M VIDEO WALL CONTROLLER PRODUCT INFORMATION



Key Features

- ▶ Five free PCIe x16 Gen 2.0 and three free PCIe x1 slots. All PCIe x16 slots operate at full x16 bandwidth simultaneously
- ▶ Designed by Blue Chip Technology and approved by Matrox to provide maximum performance from the Matrox Mura range of products
- ▶ Up to 20 HD inputs and 20 HD outputs simultaneously within a 4U chassis
- ▶ Intel High Performance Gen 3 i5 and i7 CPU options
- ▶ Blue Chip Technology High Reliability Ultima Platform
- ▶ Long life platform
- ▶ Compact, shallow and low noise enclosure
- ▶ Matrox Mura Certified Platform



Ultima 5MU Video Wall Controller

The Ultima 5MU video wall controller has been validated by Matrox for use with (up to) five Matrox Mura MPX Series x16 controller boards, all running at their maximum throughput.

The Ultima 5M features the latest Intel Gen 3 i5 and i7 processors, BCT120 PICMG 1.3 single board computer and our new BP-PCIE-5M/3 video backplane. The BP-PCIE-5M/3 backplane offers 96 PCI Express Gen 2 (5.0 GT/s) lanes and conforms to the PCI Express Base Specification, rev 2.0. The BP-PCIE-5M/3 delivers scalable, high bandwidth, non-blocking interconnection to the Matrox Mura MPX cards ensuring the highest performance at all times. The BP-PCIE-5M/3 also supports the PCI-SIG defined Multicast protocol for PCI Express as well as Multi-root architecture supporting up to eight upstream ports.



Combined with up to four storage drives (three with front access) and a range of high reliability power supply options the Ultima 5M is the ideal choice for your video wall controller where performance, reliability and low acoustic noise are required with a shallow depth.

The Ultima 5M has passed the latest CE regulations in our own EMC facility at Blue Chip Technology. To receive further details on the Ultima 5M, please go to our website www.bluechiptechnology.co.uk or call now on 0044 (0) 1829 77200.



ULTIMA 5M VIDEO WALL CONTROLLER

TECHNICAL SPECIFICATION



Processors & Memory

Processors

- Intel Gen 3 i5 socket LGA 1155 pin
- Intel Gen 3 i7 socket LGA 1155 pin

Memory

- Minimum 4GB Unbuffered Non ECC DDR3 1333MHz
- Maximum 16GB Unbuffered Non ECC DDR3 1333MHz

Expansion Slots

- BP-PCIE-5M/3 Passive Backplane (free slots)
 - 5 PCIe Gen 2.0 x16 Slots (5.0 GT/s lanes)
 - 3 PCIe Gen 2.0 x1 Slots

Matrox Mura Options

- Mura MPX-44 (requires PCIe x16 Slot)
 - 4 HD Outputs & 4 HD Inputs
- Mura MPX-42 (requires PCIe x16 Slot)
 - 4 HD Outputs 2 HD Inputs
- Mura MPX-40 (requires PCIe x16 Slot)
 - 4 HD Outputs & 0 HD Inputs
- Mura MPX-SDI (requires PCIe x4 Slot)
 - 2 DVI Outputs & 2 SDI Inputs
- Mura MPX-V8 (requires PCIe x4 Slot)
 - 8 NTSC/PAL/SECAM Inputs
- Mura MPX-V16 (requires PCIe x4 Slot)
 - 16 NTSC/PAL/SECAM Inputs
- MuraControl for iPad
 - Free app that creates a touch panel control interface for your video wall
- MuraControl for Windows
 - Feature rich, single-license software that enables precise remote control or local control of your video wall

System

- Drive Bay 1 = 5.25" with external access
- Drive Bay 2 = 5.25" with external access
- Drive Bay 3 = 5.25" with external access
- Drive Bay 4 = 3.5" or Optical Drive with external access

Power

- 750 Watt High Reliability Power Supply 90- 265 Volts AC
- 800 Watt Dual Redundant Power Supply 90- 265 Volts AC

Operating System Support

- Windows 7 64 bit
- Windows Server 2008

Standard Interfaces

- 2 Gigabit Ethernet LANs
- Up to 14 USB 2.0/3.0 Host Ports available
- Two RS232 Ports

Environmentals/Mechanicals

- Operating temperature range
 - Operating - 10°C to 35°C
 - Storage - 20°C to 70°C
 - Operating Humidity- 20% to 80% non-con
- Operating Altitude - From 650 hPa to 1013 hPa
- Operating Shock - 5G (11ms, 1/2 sine wave)
- EMC
 - Emissions EN55022 (A), Immunity EN55024
 - Safety EN60950
- Protection
 - IP54 Front Panel
- Dimensions
 - Single PSU - 482.6 x 451 x 177mm
 - Dual PSU - 482.6 x 486.8 x 177mm
 - Rack Mount and Bench Mount options