

PRIME HX TECHNICAL SPECIFICATIONS

GENERAL SYSTEM

- **Height:** 3.5 in (89 mm)
- **Width:** 17.2 in (437 mm)
- **Depth:** 24.8 in (630 mm)
- **Weight:** 22.7 kg/50 lbs.
- **Power Supply:** Dual 740 Watt Redundant Hot Swappable Supplies (80 Plus Platinum)
- **Power Requirements:** AC Input 100-240V, 60-50Hz, 9 Amp Max, 3.2 Amps @ 120VAC Typical
- **OS:** Windows 7 Ultimate 64-bit
- **Processor Family:** Intel Socket 2011-v3 Octa-Core Processor
- **Memory:** 64 GB DDR4-2400
- **GPU:** NVIDIA® GPU, Quadro 5000 series
- **USB:** (2) USB 2.0 on Rear, (2) USB 3.0 on Rear and (2) USB 3.0 on Front
- **Serial:** (2) DB9 RS232 Serial Ports. 2 RS232 to RS422 Converters Included
- **Network:** (2) RJ45 1 Gbe Connectors

STORAGE

- **System:** 2x200 GB SSD (Raid1)
- **Media:** 4x800 GB SSD (High Performance RAID5, over 2 TB usable)
* Optional expansion available

SDI IO (IF EQUIPPED)

- **Supported Video Standards:**
 - SD-SDI:** 525i NTSC, 625i PAL
 - HD-SDI:** 1080i, 1080PsF, 720p, 1080p60
- **Data Format:**
 - SD:** 10-bit, 270 Mb/s ITU-R Bt.601 SMPTE 259M-C
 - SD:** 10-bit, 270 Mb/s ITU-R BT.656-4
 - HD:** 10-bit, 1.485 Gb/s ITU-R Bt.709 SMPTE 292M
 - UHD:** 4x 3G 8-bit 2.97 Gb/s ITU-R Bt.709 SMPTE 424M, Level A and Level B Dual Stream
- **Genlock:** Bi-level & Tri-level Analogue Genlock
- **Connector Type:** HD-BNC Connector
- **IO Configurations:** 8 reconfigurable SDI Ports

Outputs: Video or Video and Key

Inputs: All remaining ports can be used as inputs

• Embedded Audio:

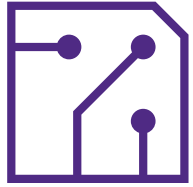
SDI Input: 16 per channel – Up to 32 channels embedded SDI

SDI Outputs: 16 per channel – Up to 32 channels embedded SDI

HW/SW OPTIONS

- External Video Bypass Panel
- **GPI:** 16 (8 IN/8 OUT)
- **AES Audio:**
 - AES Inputs:** 4 AES3id for 8 mono tracks
 - AES Outputs:** 4 AES3id for 8 mono tracks
 - AES Connector Type:** BNC, unbalanced
- **Additional Storage:** Expandable in 800 GB increments, up to and additional 5 TB.





PRIME MX TECHNICAL SPECIFICATIONS

GENERAL SYSTEM

- **Height:** 3.5 in (89 mm)
- **Width:** 17.2 in (437 mm)
- **Depth:** 24.8 in (630 mm)
- **Weight:** 22.7 kg/50 lbs.
- **Power Supply:** Dual 740 Watt Redundant Hot Swappable Supplies (80 Plus Platinum)
- **Power Requirements:** AC Input 100-240V, 60-50Hz, 9 Amp Max, 3.2 Amps @ 120VAC Typical
- **OS:** Windows 7 Ultimate 64-bit
- **Processor Family:** Intel Socket 2011-v3 Septa-Core Processor
- **Memory:** 32 GB DDR4-2400
- **GPU:** NVIDIA® GPU, Quadro 4000 series
- **USB:** (2) USB 2.0 on Rear, (2) USB 3.0 on Rear and (2) USB 3.0 on Front
- **Serial:** (2) DB9 RS232 Serial Ports. 2 RS232 to RS422 Converters Included
- **Network:** (2) RJ45 1 Gbe Connectors

STORAGE

- **System:** 2x200 GB SSD (Raid1)
- **Media:** 4x400 GB SSD (RAID5, over 1 TB usable)
* Optional expansion available

SDI IO (IF EQUIPPED)

- **Supported Video Standards:**
SD-SDI: 525i NTSC, 625i PAL
HD-SDI: 1080i, 1080PsF, 720p, 1080p60
- **Data Format:**
SD: 10-bit, 270 Mb/s ITU-R Bt.601 SMPTE 259M-C
SD: 10-bit, 270 Mb/s ITU-R BT.656-4
HD: 10-bit, 1.485 Gb/s ITU-R Bt.709 SMPTE 292M
- **Genlock:** Bi-level & Tri-level Analogue Genlock
- **Connector Type:** HD-BNC Connector
- **IO Configuration:** 4 reconfigurable SDI Ports

Outputs: Video or Video and Key

Inputs: All remaining ports can be used as inputs

• Embedded Audio:

SDI Input: 16 per channel – Up to 32 channels embedded SDI

SDI Outputs: 16 per channel – Up to 32 channels embedded SDI

HW/SW OPTIONS

- External Video Bypass Panel
- **GPI:** 16 (8 IN/8 OUT)
- **AES Audio:**
AES Inputs: 4 AES3id for 8 mono tracks
AES Outputs: 4 AES3id for 8 mono tracks
AES Connector Type: BNC, unbalanced
- **Additional Storage:** Expandable in 400 GB increments, up to and additional 800 GB.

