



PRIME

HX & MX PLATFORM

TECHNICAL SPECIFICATIONS



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

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.

SDI IO (IF EQUIPPED)

- **Supported Video Standards:**
 - » **SD-SDI:** 525i NTSC, 625i PAL
 - » **HD-SDI:** 1080i, 1080PsF, 720p, 1080p60, and many more
- **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, 3Gb/s ITU-R Bt.709 SMPTE 292M
- **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

IP IO (IF EQUIPPED)

- **Supported Video Standards:**
 - » **HD:** 1080i, 720p
 - » **3G:** 1080p60
- **Data Format:**
 - » SMPTE ST 2110
 - » SMPTE ST 2022-6
 - » SMPTE ST 2022-7 Redundancy

- **Genlock:**
 - » Bi-level & Tri-level Analogue Genlock
 - » IP PTP
- **Connector Type:**
 - » **Genlock:** HD-BNC Connector
 - » **IP:** (2) 10 Gig SFP+ Cages (SFPs are NOT included and are Customer Supplied)
- **IO Configuration:** 4 Inputs and 4 outputs in HD, 3 in and 3 Out in 3G
- **Embedded Audio:**
 - » **IP Output:** 16 per channel
 - » **IP Input:** 16 per channel





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

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.

SDI IO (IF EQUIPPED)

- **Supported Video Standards:**
 - » **SD-SDI:** 525i NTSC, 625i PAL
 - » **HD-SDI:** 1080i, 1080PsF, 720p, 1080p60, and many more
- **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, 3Gb/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

IP IO (IF EQUIPPED)

- **Supported Video Standards:**

- » **HD:** 1080i, 720p

- » **3G:** 1080p60

- **Data Format:**

- » SMPTE ST 2110

- » SMPTE ST 2022-6

- » SMPTE ST 2022-7 Redundancy

- **Genlock:**

- » Bi-level & Tri-level Analogue Genlock

- » IP PTP

- **Connector Type:**

- » **Genlock:** HD-BNC Connector

- » **IP:** (2) 10 Gig SFP+ Cages (SFPs are NOT included and are Customer Supplied)

- **IO Configuration:** 4 reconfigurable SDI Ports in HD, 3 in 3G

- **Embedded Audio:**

- » **IP Output:** 16 per channel

- » **IP Input:** 16 per channel



ABOUT CHYRONHEGO

ChyronHego, a portfolio company of Vector Capital, is a global leader in products, services, and solutions for the broadcast and sports industries. Specializing in live television, news, and sports production, ChyronHego offers some of the industry's most widely deployed solutions — including Lyric®, the world's most popular broadcast graphics creation and playout offering; the all-new CAMIO® Universe newsroom workflow; and TRACAB® Optical Tracking, the global leader in optical sports tracking systems as well as Click Effects, the most proven and versatile stadium broadcast family of graphics products. Headquartered in Melville, New York, ChyronHego also has offices in the Czech Republic, Denmark, Finland, Germany, Mexico, the Netherlands, Norway, Singapore, Slovak Republic, Sweden, and the United Kingdom.

For more information on ChyronHego, visit www.chyronhego.com.

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SCHEDULE A DEMO @

NORTH AMERICA

+1.631.845.2000 |

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LATIN AMERICA

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ASIA/PACIFIC

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