

MATCO's MPEG2 Video Servers Overview

General Information:

MATCO offers three video server series. All three run the same software and possess identical capabilities. The series chassis hardware features will define the RU size and capacity for channels and internal storage.

Hardware:

MATCO's three Video Server models are housed in industrial rack mount enclosures, 2, 3, or 4 RU depending upon the model. They run under the Windows XP operating system, and all come with either a fully loaded backup system drive, or Mirrored System Drives (your call). All Drives, System and Media, are front panel removable.

All Servers may contain any combination of Input or Output Channels, up to the maximum for the model. Channels may be added at any time. Your choice of I/O: analog, analog and SDI or HD.

Full Manual Control, as well as a Full Automation Package is standard in all Servers, and all Servers come with one Slim Optical Drive, and support General Purpose Inputs and Outputs, as well as dual RS232 Serial ports, and dual 10/100/1000 Ethernet for unlimited networked media storage and remote network application.

Network Serial Adaptors (MATCO MA-120 series), may be added in groups of 4, 8 or 16 additional RS232/RS422/RS485 programmable serial communication ports to access numerous external devices

Servers may be networked together to create a Server that is larger than any one model permits. Two Servers may also be run in a 100% redundant mode, where should one Server fail, the other continues as if nothing happened. RAID 1 is an option on the MA-1000; RAID 5 is standard (RAID 6 is optional) on either the MA-1600 or MA-3800 models.

Server Models:

MA-1000	<ul style="list-style-type: none"> • 2 RU Chassis with Intel CPU, 2GB Ram, XP, and one slim optical drive. • Supports up to 4 Individual Channel Cards, Record or Play. When the IPOP1 card is used, 8 channels are possible (4 in and 4 out). • Four front removable 500GB 2.5 Drives come standard, two for system (mirrored or backup), and two for Media storage (JBOD).
MA-1600	<ul style="list-style-type: none"> • 3 RU Chassis with Intel CPU, 2GB Ram, XP, and one slim optical drive. • Supports up to 4 Individual Channel Cards, Record or Play. When the IPOP1 card is used, 8 channels are possible (4 in and 4 out). • 10 front removable 3.5 Drives, two for system (mirrored or backup), and the remaining 8 are available for Media Storage, as defined when ordered. • With the Standard RAID 5 maximum storage is 7TB, with the RAID 6 option, maximum storage is 6TB.
MA-3800	<ul style="list-style-type: none"> • 4 RU Chassis with Intel CPU, 2GB Ram, XP and one slim optical drive. • Supports up to 8 Individual Channel Cards, Record or Play. When the IPOP1 card is used, 16 channels are possible (8 in and 8 out). • 16 front removable 3.5 Drives, two for system (mirrored or backup), and the remaining 14 are available for Media Storage, as defined when ordered. With the Standard RAID 5 maximum storage is 12TB, with the RAID 6 option, maximum storage is 10TB.

Software:

MATCO Internal Automation application software is included to manage every aspect of the Servers Input and Output Channels, as well as control of any external devices connected to the on board, or networked serial ports, such as VTRs, DVD Players, Routing Switchers etc.

Grass Valley ProCoder™ Software is included for background transcoding between digital formats (MPEG2, MPEG4, AVI, Windows Media, QuickTime, H.264 etc).
This transcoding may be done manually, or automatically.

A Few of the numerous Software Application Features are:

- Full Manual Control of all Input and Output Channels, including all Capture and Playback parameters.
- Full Automation Package for scheduled operation of the Input and Output Channels, as well as all attached hardware, over an unlimited period of time.
- Manual and Automated control of any manufactures Routing Switcher which supports a serial remote control port (RS232 or RS432).
- Virtual Element Marking, and Secondary Element Creation.
- Remote Network application Software is included for complete control over the network.

Options:

- MA-1000 (1) RAID 1 (2) Dual redundant power supply
- MA1600 and MA3800 RAID 6 option
- FTP Server for receiving, transcoding, and integrating Media received over the Internet. *
* Contact MATCO for details.

MA-1600

MA-3800

2 RU
Chassis
MA-1000



MATCO

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