

UP to 9TB of actual storage in a single 2RU chassis

The MATCO MA-5000 Series Storage Servers are available with up to 11 1TB SATA II Drives. Onboard dual 10/100/1000 Ethernet ports. Provides high-speed connections for shared storage or Archiving



MA-5000 Features

- Extremely reliable RAID 6 Storage protection
- 2RU Chassis with Redundant power supplies, Dual AC mains
- Redundant Cooling
- Delivers over 800MB/s Raid 6 reads and 600MB/s writes
- Parallel XOR Raid 6 parity generation algorithm maximizing throughput
- 8TH Generation StorSwitch™ non-blocking switched architecture
- Bootable Array support for greater fault tolerance
- SMTP support for email notification
- Hot-swap and Hot-spare support for data availability
- Dynamic sector repair for robust data protection
- Online capacity expansion and RAID level Migration
- Enhanced data protection with write journaling for non-redundant arrays and accidental drive removal
- Drive insertion and removal notification
- MATCO software displays all the Video inventory and related fields in the unit
- Use for video Archiving
- Use as central video storage for any MATCO Video Servers
- Supports simultaneous conversion and distribution of multiple audio and video formats using Grass Valleys Pro-coder 3.0™
- Fast search and sort features
- Exchange Content with Non linear editors

Security

Protected Storage! In any large storage system, data security is always a concern, and in this product, that concern is addressed through the provision of hardware RAID in a SATA II disk array system.

The 12 bay MA-5000 Storage Arrays are powered by sophisticated RAID controller technology. The RAID array in all models is configured to be RAID 6, but can also be configured to RAID 0,1,5,10, and 50. Each RAID 6 Array allows two drive failures without impact on the existing data. You can also optionally add a built in Hot-spare drive. The Drive rebuild is transparent to the host. System operation is constantly protected by redundant cooling fans and redundant power supplies.

Storage

Huge capacity! The standard drive sizes offered in the MA-5000 storage servers are 500GB, 750GB and 1TB. Typical storage capacity per drive in hours will be:

Per Drive	8MbS	12MbS	15MbS
500GB	134	90	72
750GB	201	112	108
1TB	268	157	144

The MA-5000 can be ordered with a minimum of 5 and a maximum of 11 Media drives. Drives may be added to the RAID array at any time.

Software:

The resident software will display all inventory, and when connected to a MATCO Video Server the Post Capture options in the server may be configured to automatically transfer inventory to/from the MA-5000 storage server.

The MA-5000 comes optionally with the Grass Valley™ Pro-coder 3.0 software enabling you to have your content automatically converted to practically any Video format and sent to anywhere on your network. Set it up and forget it. It is that simple! This software combines speed and flexibility into a streamlined video conversion tool for professionals. Widely acknowledged as the leading software transcoder, ProCoder 3 features extensive input/output options, advanced filtering, batch processing and an easy-to-use interface installed on the MA-5000's which utilizes it's extremely fast Single or Dual Quad or Dual core processors with 2Gb-16Gb of RAM.

Pro-coder Key Features

- Professional high-speed, high-quality encoding and conversion of video to all popular formats including MPEG-1, MPEG-2, Windows Media®, QuickTime® and more
- Grid encoding for MPEG-2 (transport stream, program stream) – support for multiple CPUs within one PC (including dual and quad core CPUs). Applies to 'HDV Target' and 'Preview DVD target' settings **NEW**
- Watch folder function for automated encoding
- Job queuing manager with priority functions
- Stitching of multiple source files to create a single file
- Simultaneous creation of multiple target files
- Aspect ratio conversion
- NTSC/PAL conversion
- Frame rate interpolation and conversion
- Timecode creation and preservation **NEW**
- Automatic adaptive deinterlacing
- 3:2 pull down
- Inverse telecine **NEW**
- Multi-pass VBR processing
- Full HD support for MPEG and Windows Media
- VOB file and DVD-Video image creation with chapter points
- Save droplets for quick, drag-and-drop conversion
- Separate audio import/export options including multiplexing
- Audio channel mapping **NEW**
- Export plug-in for Grass Valley EDIUS version 4 and Adobe Premiere Pro 2.x, which provides extensive timeline export capabilities including DVD-Video image export options
- Multiple colorspace support including YUV and RGB

Options:

- Pro-Coder 3.0 Trascoding software
- Additional Dual core CPU
- Upgrage to Quad core CPU
- Upgrage up to 16Gb of RAM
- Mirriored Systems Drive
- Backup Systems Drive
- Fibre Channels
- Built in Hot Spare

Networking

Sharing content with the whole world is easy with the MA-5000 dual Gigabit Ethernet channels. MATCO Servers maybe networked to share inventory with the MA-5000 and can even play several channels of video back from the MA-5000. You may also Setup the MATCO Video servers for automatic transfer of Video files to the MA-5000 via the network. Transfer content with Non Linear Editors like Final Cut Pro™ and Avid™. You can Share content with network affiliates over broadband networks. Downloaded FTP content form PathFire™.

Ease of Use

MATCO software has been designed for ease of use, and to make sense to broadcast personnel. Most operators are comfortable operating MATCO system within about an hour.

Call Us

Many configuration options are possible, far more than could be explained adequately in these pages. Consult **MATCO** directly to discuss your special requirements.