

Coreco Imaging Mamba-100
Embedded Vision Processor



In Stock

Used and in Excellent Condition

Open Web Page

<https://www.artisanng.com/62971-1>

All trademarks, brandnames, and brands appearing herein are the property of their respective owners.



Your **definitive** source
for quality pre-owned
equipment.

Artisan Technology Group

(217) 352-9330 | sales@artisanng.com | artisanng.com

- Critical and expedited services
- In stock / Ready-to-ship

- We buy your excess, underutilized, and idle equipment
- Full-service, independent repair center

Artisan Scientific Corporation dba Artisan Technology Group is not an affiliate, representative, or authorized distributor for any manufacturer listed herein.



► Vision Processors

Mamba-100 Pixel Processor

[Online Quote](#)

[Eye on Imaging](#)
[Free Newsletter](#)
[Sign me up!](#)



[New! Bob's Brain Snacks](#)



OVERVIEW

The Mamba-100 is an advanced embedded vision processor with the ability to process very high-resolution images using the Coreco Auxiliary Bus (CAB), a dedicated high-speed (200 MB/second) board-to-board communication bus that channels all image data away from the host computer. The advanced technology of the Pentium III employs enhanced MMX instructions along with Streaming SIMD Extensions (SSE), memory and cache management instructions to speed up data processing. The image processing tasks involving MMX and floating point instructions now run faster as there is no MMX to floating point switching overhead involved. SSE utilizes 8 newly introduced 128 bit floating point registers in PIII, which are not shared with MMX instructions.

KEY FEATURES

- Up to 512 MB on-board SO-DIMM memory
- 12 I/O lines (8 opto-isolated TTL inputs, 4 TTL outputs)
- Dual CAB interfaces for maximum 32-bits @50MHz bandwidth when transferring images
- 100 Base-T Ethernet controller
- 48 MB DOC (DiskOnChip) for OS and program storage
- Windows NT Embedded Win32 based ensures software compatibility with applications
- Expansion capability for additional Mamba-100s

Product Resources

Contact Your Regional Product Specialist

Software Supported

Sapera™ Processing - Imaging Processing and Analysis

Sapera Processing is a Windows®- based comprehensive programming library for image processing and analysis. The Sapera Processing tools include Search, OCR, Barcode/Decoding and Blob Analysis.

Specifications & Application Notes

[Data Sheet](#)

[Mamba-100 Benchmarks](#)
[Mamba CAB configurations](#)
[Mamba development guide for embedded vision applications](#)
[Sapera 5 CamExpert Quick Start Guide](#)
[Using Sapera Software with Matrox MIL](#)

[Frequently Asked Questions \(FAQ\)](#)

[Request a custom quote](#)

Service and Support

Have a question? Need help? Our machine vision specialists are ready to help. Find a support office nearest to you.

[Email this link](#)

Artisan Technology Group is an independent supplier of quality pre-owned equipment

Gold-standard solutions

Extend the life of your critical industrial, commercial, and military systems with our superior service and support.

We buy equipment

Planning to upgrade your current equipment? Have surplus equipment taking up shelf space? We'll give it a new home.

Learn more!

Visit us at [artisan^{tg}.com](https://www.artisantg.com) for more info on price quotes, drivers, technical specifications, manuals, and documentation.

Artisan Scientific Corporation dba Artisan Technology Group is not an affiliate, representative, or authorized distributor for any manufacturer listed herein.

We're here to make your life easier. How can we help you today?

(217) 352-9330 | sales@artisan^{tg}.com | [artisan^{tg}.com](https://www.artisantg.com)

