![nac IMAGE TECHNOLOGY logo]

the most experienced name in high speed cameras

MEMRECAM MX
High Speed Camera System

The world's most versatile onboard and offboard camera system designed for critical dynamic applications.

FEATURES

- **Full HD @ 2,000FPS**
- **Phenomenal Light Sensitivity**
- **Lens Mount Options: C-Mount and MFT-Mount**
- **"On Board", Hi-G Camera Head Options**
- **"Off Board", Ruggedized Camera Head with Remote Control**
- **Ultra-Small, Lightweight Camera Heads**
- **Reliable Thin Cable 7mm (OD) up to 40m Long**
- **Built-in Memory Backup**
- **Electronic Shutter**
- **Hi-G Compact Processing Unit**
- **Multiple Camera Operation with Precise Synchronization**
- **Camera Control, Viewing and Setup via PC or Tablet (Wired/Wireless LAN)**
- **MEMRECAM MX System is Backward Compatible with all MEMRECAM Platforms**
- **Cameras can be Triggered by Shock Using Built-in G-Sensor**

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Visit our website at
www.nacinc.com

Providing quality and reliability since 1958

The nac MEMRECAM MX is a robust, turnkey solution for multi-camera onboard and offboard automotive testing and occupant safety applications. Each system supports up to eight, tightly synchronized camera views, and integrates seamlessly with all current and legacy MEMRECAM imaging systems.

The M Series utilizes extremely light sensitive image sensors, providing brilliant images complete with up to 8GB per camera view of memory and built-in memory backup protection. The Integrated Processing Unit provides power, communications, trigger and synchronization for up to eight M-Cam's, and provides the interconnect technology for integration with all MEMRECAM platforms. All components are compact, light weight, and ruggedized.

The versatile MEMRECAM MX high speed camera system is a truly ideal solution for all automotive testing needs.

Three Camera Head Options

M-Cam

The **M-Cam** is designed for both "On Board" and "Off Board" use, making it the most flexible camera head available. This camera head operates via a single cable that can range in length from 5m to 40m long and offers full HD resolution at up to 2,000 fps.

M-Cam MFT

The M-Cam MFT is designed for "Off Board" use. This camera head is compatible with Micro Four Thirds optics. This enables electric control for focus, aperture, and zoom with Micro Four Thirds lenses while maintaining phenomenal light sensitivity and full HD resolution at 2,000 fps. The M-Cam MFT enables lens control from remote locations such as the ceiling of crash test sites, underground pits, remote shooting of military applications, etc…

M2-Cam

The M2-Cam is designed for On-board applications where size limitations are a consideration. The M2-Cam offers mega pixel resolution, high frame rates, and incredible light sensitivity in a package that enables imaging in areas that are otherwise inaccessible.

MX-Series Camera Heads

	M-Cam	**M-Cam MFT**	**M2-Cam**
Resolution	1920 x 1080 @ 2,000 fps 1920 x 512 @ 5,000 fps	1920 x 1080 @ 2,000 fps 1920 x 512 @ 5,000 fps	1280 x 1024 @ 1,000 fps 640 x 480 @ 4,000 fps
Light Sensitivity	ISO 8,000 (Color) ISO 32,000 (Mono)	ISO 8,000 (Color) ISO 32,000 (Mono)	ISO 2,000 (Color) ISO 10,000 (Mono)
Memory	4GB (can be segmented up to 16 times)	8GB (can be segmented up to 16 times)	4GB (can be segmented up to 16 times)
Lens Mount	C-Mount	MFT-Mount (Micro Four Thirds)	C-Mount
Dimensions	W75 x H55 x D55mm	W80 x H66 x D55mm	W33 x H33 x D45mm
Weight	450g	550g	100g
Data Security	Autostorage - 32GB SSD; plus Memory Back-up (60 min.)	Autostorage - 32GB SSD; plus Memory Back-up (60 min.)	Autostorage - 32GB SSD; plus Memory Back-up (60 min.)
Impact Resistance	150 G (6 axis) Half Sign 11ms 200 G (6 axis) Half Sign 7ms	Shock 50 G	150 G (6 axis) Half Sign 11ms 200 G (6 axis) Half Sign 7ms
Use	On Board and Off Board	Off Board	On Board and Off Board

MX-5 Integrated Processing Units

Cabling

	Four (4) Port Unit	**Eight (8) Port Unit**
Camera Ports	Four (4)	Eight (8)
Dimensions	W195 x H60 x D160mm	W195 x H80 x D170mm
Weight	3.5kg	3.6kg
Multi-Camera Control	via PC and Tablet (wired/wireless LAN)	via PC and Tablet (wired/wireless LAN)
Cable	Outer Diameter 7mm; Lengths 5m/10m/20m/40m	Outer Diameter 7mm; Lengths 5m/10m/20m/40m
Impact Resistance	150 G (6 axis) Half Sign 11ms 200 G (6 axis) Half Sign 7ms	150 G (6 axis) Half Sign 11ms 200 G (6 axis) Half Sign 7ms

Two MX-5 Integrated Processing Unit Options

MX-5 Four (4) Camera Port Unit

MX-5 Eight (8) Camera Port Unit

Viewfinder Remote Control

You can connect the tablet terminal with wired / wireless LAN, adjust the angle of view and set the shooting conditions.

IMAGE TECHNOLOGY

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