



the most experienced
name in high speed
cameras



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 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



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.

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Visit our website at
www.nacinc.com

Providing quality and
reliability since 1958

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	8GB (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	470g	550g	100g
Data Security	Autostorage - 64GB emmc; plus Memory Back-up (60 min.)	Autostorage - 64GB emmc; plus Memory Back-up (60 min.)	Autostorage - 64GB emmc; plus Memory Back-up (20 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

	Four (4) Port Unit	Eight (8) Port Unit
		
Camera Ports	Four (4)	Eight (8)
Dimensions	W195 x H60 x D160mm	W195 x H70 x D170mm
Weight	3.0kg	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 Outer Diameter 9mm Lengths 30m/40m	Outer Diameter 7mm Lengths 5m/10m/20m Outer Diameter 9mm Lengths 30m/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

Cabling



Viewfinder Remote Control



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

Two MX-5 Integrated Processing Unit Options



MX-5 Four (4) Camera Port Unit



MX-5 Eight (8) Camera Port Unit



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