

the most experienced name in high speed cameras



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



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 that are otherwise inaccessible. 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

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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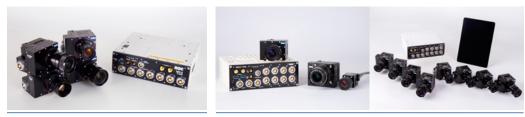
Visit our website at www.nacinc.com

| MX-Series Ca | 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

| | 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

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Cabling





Viewfinder Remote Control



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



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