

# MEMRECAM Q<sup>2</sup>m

High Speed Camera for Automotive / Military / Academic / Industry / R&D / Testing. The compact, self-contained, even higher performance, Hi-G Camera System.

## MEMRECAM Q2m FEATURES

Full HD @ 2,000fps

Maximum Framing Rate:  
100,000fps

Phenomenal Light Sensitivity:  
ISO 8,000 (Color)

Self-Contained Compact Camera  
Design: 62x62x87.5mm

Ruggedized Camera System:  
MEMRECAM Q2m Camera is  
designed to withstand up to 200G  
shock, so is suited for use in harsh  
environment e.g. vehicle testing  
application

C-Mount Lens is Standard: Sensor  
uses a 4/3-inch optical format

Built-In Hi-G Trigger Circuit  
(Auto-trigger by G-Sensor)

Built-In Memory Backup

Gig-E Communications: Supports  
simultaneous download of  
multiple MEMRECAM cameras.

Multi-Camera Operation with  
Precise Synchronization

Power Input: 18-36 VDC

Power Consumption: Max 24W  
(at 36V-in, Ta = 40°C)

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Visit our website at  
[www.nacinc.com](http://www.nacinc.com)

Providing quality and  
reliability since 1958



## nac's MEMRECAM Q Series is designed to support demanding multi-camera testing environments. Also;

- Compact camera design allows to set a camera where is a high/tiny place at e.g. **automotive crash testing / R&D / Testing**. Such a compact camera system also fits into dynamic applications by having a camera travelling with **Robotics (like welding machine)**
- Phenomenal Light Sensitivity will bring you a number of benefits in various applications **e.g. Microscope**
- Accident-free camera concept: Memory back-up to secure your research data or G-Sensor to avoid trigger error etc.
- Evolution of Software/Application:

nac MLink software	: Ease of Camera Control
nac WebPanel / MLink Mobile	: Mobile camera control by Tablet device
nac MVIEW	: Conspicuous VIEWER & basic Analysis

When it comes to reliable, high-quality, high-speed camera systems, make the safe choice with nac and you'll *see the visible difference!*

# MEMRECAM Q<sup>2</sup><sub>m</sub>



Specifications	
Sensor	2.07M Pixel CMOS sensor
Active Pixel	1920 X 1080
ISO (REI)	Color ISO 8,000 / Mono ISO 32,000
Electric Shutter	Global, 1/100~1/909,090 sec. (1.1us)
Memory *1	8GB / 16GB
Memory Segment	Up to 32 Segments
Bit Depth	8bit / 10bit
Lens Mount	C-mount
Record Time	8.2 sec (8bit) 6.5 sec (10bit) *1920 x 1080 @1,000fps with 16GB memory
Input Signal	Trigger, SYNC IN (IRIG/1kHz), POWER-CTL (5VTTL isolation IF)
Output Signal	Exposure pulse, ARM status, SYNC OUT (IRIG/1kHz)
Interface	1000BASE-T
Impact Resistance	150G (6 axis) Half Sign 11ms 200G (6 axis) Half Sign 7ms
Auto Trigger Function	Triggered by shock using built-in G-sensor capable of measuring up to 200G
Memory Backup Time	Approx. 1 hour
Control Software	Mlink (included with camera)
Power	18-36VDC (supplied by the optional AC Adapter)
Dimensions *2	62W × 62H × 87.5Dmm
Weight *3	670g

\*1 Selectable at the time of ordering

\*2 Dimensions without handle or optional accessories

\*3 Weight without accessories

Specifications described above are subject to change without notice.

## Standard Configurations

- Memrecam Q2m
- Built-in Memory (8/16GB)
- C-mount
- Tripod Plate
- NAC Control Software MLink
- Operation Manual

## Options

- AC Adapter (Power Supply)
- Carrying Case
- Q-Cam I/O Cable
- Hi-G lens
- Q-Hub for multiple camera operation
- Q-Hub Remote Cable (1~15m)

Visit our website at  
[www.nacinc.com](http://www.nacinc.com)

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