IMAGE TECHNOLOGY

the most experienced name in high speed cameras

MEMRECAM Q Series

High Speed Camera System

The world's smallest, self-contained, high performance, Hi-G camera.

MEMRECAM Q SERIES FEATURES

CMOS Sensor: All Active Pixels

Bit Depth: 12/10/8-bit (customer selectable)

Electronic Shutter

Compact Camera Design: 62(H) X 62(W) X 65(D)mm, 400g.

Ruggedized Camera System: MEMRECAM Q Series cameras are designed to withstand 150G shock for 10ms. The camera is ideally suited for onboard automotive testing applications.

C-Mount Lens is Standard: Sensor uses a 2/3-inch optical format.

Built-In Hi-G Trigger Circuit

Built-In Memory Backup

High Light Sensitivity

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

Multi-Camera Operation with Precise Synchronization

Power Input: 20-32 VDC

Power Consumption: 20W

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

- The MEMRECAM Q Series boasts a 1.3 Mega Pixel sensor and is capable of recording brilliant color images at full resolution at up to 2,000 fps.
- The MEMRECAM Q's compact, rugged design, and its excellent light sensitivity, make it ideal for the confined spaces routinely encountered in automotive crash testing environments, production facilities, microscope applications and so much more!
- The MEMRECAM Q Series comes standard with a built-in memory backup, so images are safe even if power is interrupted.
- The MEMRECAM Q's 2/3-inch image format supports a variety of standard C-Mount lenses, as well as custom Hi-G lenses.
- The MEMRECAM Q is fully integratable with existing GX and HX cameras.

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

Tel: 833-600-0280
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Visit our website at
www.nacinc.com

Providing quality and reliability since 1958

06.06.17

MEMRECAM Q Series

High Speed Camera System

	MEMRECAM Q1m	MEMRECAM Q1v
Resolution	1,280 x 1,024	640 x 480
Frame Rate	2,000 fps	8,000 fps
Sensitivity (color)	ISO 1,000 IQ-mode	ISO 8,000 IQ-mode ISO 25,000 S-mode
Sensitivity (mono)	ISO 4,000 IQ-mode	ISO 50,000 IQ-mode ISO 160,000 S-mode
Bit Density	8/10/12 bits	
Recording Time	SXGA 1sec (4GB) / 2sec (8GB) @ 2,000 fps, 12 bit VGA 4sec (4GB) / 9sec (8GB) @ 2,000 fps, 12 bit	
Memory Backup Time	Approximately 1 hour (8GB model)	
Dimensions & Weight	62 x 62 x 65mm, 400g	
Power Consumption	Approximately 20W	
Camera Connector	LEMO 2B	
I/O Signal	Trigger/SYNC IN & OUT / POWER-CTL (5VTTL isolation IF)	
Communication	G-bit Ethernet (GigEvision protocol)	
Power Input	20-32VDC	
Lens Mount	C mount – 2/3" Lenses	
Shock	150G / 10 msec	
LED Indicators	Cam. Mode/Cam. STS / Ethernet / Battery	
Auto-Trigger Function	Triggered by shock using built-in G-sensor capable of measuring up to 200G, 3-axis	
Emergency Data Storage	Data storage to external media via emergency data port	
Display	PC (no view finder)	

Please Note: Specifications described above are preliminary and subject to change.

nac Image Technology
MEMRECAM Q Series Camera Systems also Feature:

- Adjustable Frame Rates
- Automatic Temperature Calibration
- Ultra-Fast Gig-E Interface with DataLock
- Data Security System - Download to SD
- Remote & Local Control
- Memory Backup
- Memory Segmentation
- Multiple Trigger Modes, Including Built-in Hi-G Trigger Curcuit
- Multi Camera Operation with Precise Synchronization
- External Sync Recording
- IRIG-B Capture & Sync with Phase Shift
- Small, Lightweight, Rugged Design - 400g 62 W x 62 H x 65 D (mm)
- Low Power Consumption
- Hi-G Rated to 150G Shock

Visit our website at www.nacinc.com

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