

the most experienced name in high speed cameras

### **MEMRECAM Q5 Series Features**

Compact DRP Design: 195W x 40H x 125D, 1.8kg

Multiple Micro Camera Options:  $\mu$ -Cam, C-Cam, P2-Cam and S2-Cam

Ruggedized System Design

Built-In Hi-G Trigger Circuit

**Built-In Memory Backup** 

**Gig-E Communications** 

Multi-Camera Operation with Precise Synchronization

Power Input: 20-32VDC

Power Consumption: 50W (4X cameras plus DRP)

Tel: 800-969-2711 sales@nacinc.com

Visit our website at www.nacinc.com

Providing quality and reliability since 1958

## **MEMRECAM Q5 Series**

High Speed Camera System

The world's smallest, multi-head, high performance, Hi-G camera system.



# nac's MEMRECAM Q5 Series is designed to support demanding multi-camera testing environments.

• Small size and weight (195W x 40H x 125D, 1.8kg) – The Q5 DRP is less than 20% of the physical size, and less than 25% of the weight, as compared to its predecessor systems.





- Multiple Ultra Small Camera Head Choices
  - The MEMRECAM Q5 supports the existing lineup of nac ultra small camera heads.
     The Q5 camera heads are matched to user requirements, being optimized for high light sensitivity, small size, or balanced to support both needs.
- Compatible with Existing MEMRECAM
   Systems The MEMRECAM Q5 supports the nac micro camera heads installed with the Q5's predecessor system, the MEMRECAM GX5. Multiple Q5 DRP's can be connected and synchronized using the nac Q-Hub Hi-G interconnection system. The Q5 is also fully

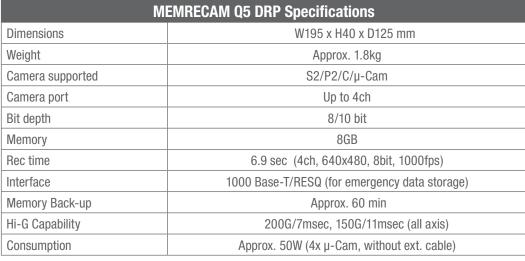
- compatible with nac's Q1, GX, HX and RX camera systems.
- Enhanced Hi-G performance The Q5 DRP is rated for shock for 200G, 7ms, and 150G, 11ms.
- Faster Image Processing The MEMRECAM
   Q5 system uses an extremely fast processing
   system, saving the user time and making for
   a more efficient workflow. Live images can be
   viewed over the system's Ethernet connection
   at up to 30+ frames/second. The DRP's 8GB
   memory can be downloaded to a control PC in
   about 2 minutes.
- Expanded Image Protection As with all nac systems, the MEMRECAM Q5 employs a memory backup system which protects images in the event of unanticipated loss of power. Like the MEMRECAM Q1 series, the Q5 provides extra insurance for image capture and image protection. nac's Hi-G trigger allows the camera to record images even if the external trigger signal is lost during a test. In addition, nac's proprietary RESQ interconnect technology provides a secondary path for recovering images in an emergency situation.

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 Q5 Series**

High Speed Camera System







Camera Head Specifications			
	μ-cam	C-cam	P2-cam & S2-cam
ISO Sensitivity	Color ISO 2,000	Color ISO 8,000	Color ISO 1,000
	Mono ISO 8,000	Mono ISO 50,000	Mono ISO 4,000
Lens Mount	Special M10.5	C-Mount	NF Mount
Camera Cable			
- Camera to Relay	2m		.9m (for S2-cam)
- PigTail	3m, 4m, 5m	0.6m	0.6m
Extension Cable	4m	4m, 6m, 8m	4m, 6m, 8m
Impact Performance	Shock 150G, 11ms	Shock 150G, 11ms	Shock 150G, 11ms
Dimensions	Straight: 16 x 16 x 27mm	35 x 35 x 58 mm	P2-cam: 25 x 25 x 85 mm
	Side: 15 x 16 x 16 mm		S2-cam: 25 x 25 x 25 mm
Full Resolution	640 x 456	640 x 480	640 x 480
Speed @ Full Res	500fps	1,000fps	1,000fps

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

#### nac Image Technology MEMRECAM Q5 Series Camera Systems also Feature:

- Adjustable Frame Rates
- Automatic Temperature Calibration
- Ultra-Fast Gig-E Interface with DataLock
- RESQ Data Security System Download to PC
- Remote & Local Control
- Memory Backup
- Memory Segmentation
- Multiple Triger Modes, Including Built-In HiG Trigger Circuit

- Multi Camera Operation with Precise Synchronization
- External Sync Recording
- IRIG-B Capture & Sync with Phase Shift
- Multiple ultra small camera options, straight and angled versions
- Small, Lightweight, Rugged DRP Design 1.8kg, 195W x 40H X 125D (mm)
- Low Power Consumption
- Hi-G Rated to 200G Shock, 7ms and 150G Shock, 11ms

07.05.16





Contact Us in the Americas:

nac Image Technology 543 Country Club Drive, # B-534 Simi Valley, CA 93065 Tel: (800) 969-2711 E-mail: sales@nacinc.com Contact Us in Europe:

nac Deutschland GmbH Hedelfingerstr. 54-70 70327 Stuttgart, Germany Tel: +49(0)711 2201 885 E-mail: rwestphal@nacinc.de Contact Us in Asia:

nac Image Technology Inc. 2-11-3 Kita-Aoama, Minato-ku Tokyo 107-0061 Japan Tel: +81 3 3796 7903 Email: nacinternational@camnac.co.jp