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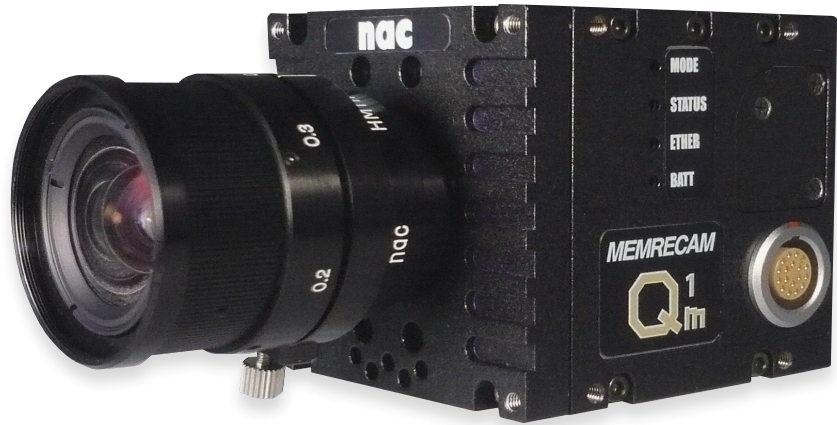
# MEMRECAM Q Series

High Speed Camera System

1280 x 1024 up to 2,000 frames per second (fps)

62 x 62 x 65mm, 400g

HyGe for on-board use (150G, 11ms)



## Memrecam Q Series Features

### CMOS Sensor

Q1m : 1280 X 1024 @ 2000fps

Q1v : 640 x 480 @ 8000fps

all Active Pixels

### Bit Depth

12/10/8-bit (selectable)

### Adjustable Electronic Shutter

down to < 1us

### Small Footprint

62mm x 62mm x 65mm, 400g

### Shock Proof (HyGe)

150G for 11ms

### Integrated "G" sensor

For Backup Triggering

### 2/3" c-mount

compatible with most lenses without vignette

### Memory Backup Battery

Protect images in case of power loss

### Emergency Data Recovery

via SD Card

### Integrated Sync - IRIG-B and 1kHz

High resolution timing and sync to < 50ns

### High Light Sensitivity

Q1m : ISO 2000 (colour) ISO 8,000 (mono)

Q1v : ISO 8000 (colour) ISO 32,000 (mono)

### Power Input 20-32V DC

### Power Consumption 20W



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# MEMRECAM Q Series

## High Speed Camera System

Q1m Resolution (examples)		Max FPS	Q1v Resolution (examples)		Max FPS
Hor.	Vert.		Hor.	Vert.	
1280	1024	2000	640	480	8030
1280	960	2130	640	384	9850
1280	800	2540	640	320	11600
1280	768	2650	640	288	12730
1280	720	2820	640	240	14920
1280	576	3500	640	192	18000
1280	480	4170	640	144	22700
1280	384	5170	640	96	30170
1280	320	6140	640	80	34810
1280	288	6780	640	64	40170
1280	240	8030	640	48	47470
1280	192	9850	640	32	58020
1280	144	12730	640	16	74600
1280	96	18000	640	8	87030
1280	80	20880			
1280	64	24860			
1280	48	30710			
1280	32	40170			
1280	16	58020			
1280	4	87030			

The above are some common format examples

\* Note: Recording Time Depends on Memory Configuration, Resolution, Frame Rate and Image Bit Depth.

Recording Time (seconds) = [(Memory Configuration X 1024 X 1,000,000) / (Bytes/Frame)] / (Frames/Second)

Bytes/Frame= (Horizontal pixels X Vertical Pixels X Bit Depth/8)

\*\*Subject to Change



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