

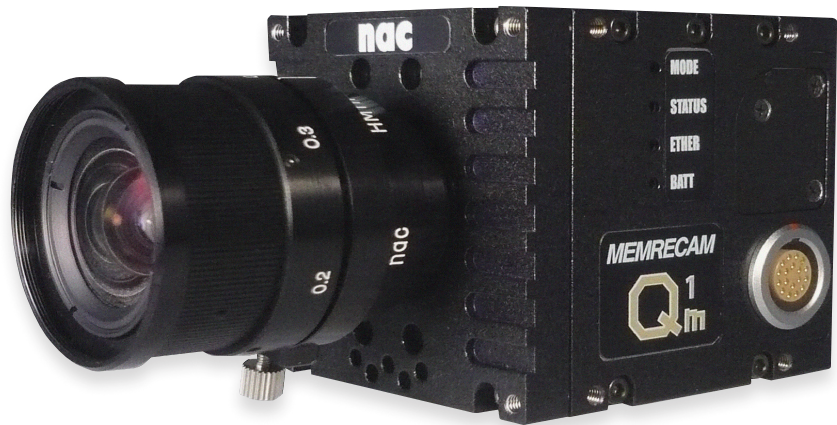
MEMRECAM Q Series

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



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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