

MEMRECAM Q1v

High Speed Camera System

640 x 480 up to 8,000 frames per second (fps)

62 x 62 x 65mm, 400g

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



Memrecam Q1v Features

CMOS Sensor

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

Memory

4GB or 8GB

2/3" c-mount

compatible with most lenses without vignette

Memory Backup Battery

Protect images in case of power loss

Emergency Data Recovery

Integrated Sync - IRIG-B and 1kHz

High resolution timing and sync to < 50ns

High Light Sensitivity

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

Power Input 20-32V DC

Power Consumption 20W



MEMRECAM Q Series

High Speed Camera System

Q1v Resolution (examples)		FPS	Record Time (8-Bit)	
Hor.	Vert.		4GB	8GB
640	480	8000	1.7s	3.4s
640	384	9000	1.9s	3.8s
640	288	10000	2.3s	4.6s
640	192	15000	2.3s	4.6s
640	144	20000	2.3s	4.6s
640	96	30000	2.3s	4.6s
640	64	40000	2.6s	5.2s
640	32	50000	4.1s	8.2s
640	16	70000	5.9s	11.8s
640	8	87000	9.6s	19.2s



Optional Q Hub : Provides Power, Trigger & Sync to cameras.
Shown with Optional HyGe Battery to power the Hub and 4 cameras



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