



Providing quality and reliability since 1958

MEMRECAM GX-8

High Speed Camera System

1280 x 1024 up to 2900 frames per second (fps)

Max frame rate 600,000fps



Memrecam GX-8 Features

CMOS Sensor

1280 X 1024 - all Active Pixels

High Light Sensitivity

ISO 5000 (colour) ISO 20,000 (mono)

Bit Depth

12/10/8-bit (selectable)

Adjustable Electronic Shutter

down to 0.6 μ s

Adjustable Frame Rates

in 1fps steps

Ruggedised body

150g, 11ms

Adjustable Resolution

Multiple Trigger Modes

Burst, multi-trigger, image trigger

Sync

High resolution timing and sync

Memory Segmentation

Auto Exposure Control

Automatic Temperature Calibration

Gig-E Interface

Continuous Live Video Output

Stand alone control

no PC required

Memory Backup Battery

Dynamic Range Expansion Shutter

IRIG-B Capture & Sync with Phase Shift

Compact Design

4kg -100W x 100H x 240D(mm)



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High Speed Camera System

Frame Rate	Available Resolution (examples)		Record Time Sec (8 bit)			
	FPS	Hor.	Vert.	2GB	4GB	8GB
100	1280	1024		16.02	32.04	64.09
250	1280	1024		6.41	12.82	25.63
500	1280	1024		3.20	6.41	12.82
1,000	1280	1024		1.60	3.20	6.41
2,000	1280	1024		0.80	1.60	3.20
2,500	1280	1024		0.64	1.28	2.56
3,000	1024	1024		0.67	1.34	2.67
3,600	1024	1024		0.56	1.11	2.23
4,000	1024	928		0.55	1.10	2.21
4,800	1024	768		0.56	1.11	2.23
5,000	1024	736		0.56	1.11	2.23
6,000	1024	612		0.56	1.12	2.23
7,000	1024	520		0.56	1.13	2.25
7,500	800	600		0.58	1.17	2.33
8,000	800	564		0.58	1.16	2.33
9,000	768	512		0.59	1.19	2.37
10,000	768	460		0.59	1.19	2.38
11,100	640	480		0.62	1.23	2.46
12,400	512	512		0.65	1.29	2.58
16,400	512	384		0.65	1.30	2.61
20,000	512	308		0.67	1.33	2.66
25,000	480	256		0.68	1.37	2.73
30,000	512	200		0.68	1.37	2.73
40,000	384	180		0.76	1.52	3.04
50,000	384	140		0.78	1.56	3.13
60,000	304	132		0.87	1.74	3.49
100,000	256	84		0.98	1.95	3.91
200,000	128	48		1.71	3.42	6.84
336,000	64	16		6.10	12.21	24.41
614,000	16	4		53.44	106.88	213.76

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)



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