



Providing quality and reliability since 1958

MEMRECAM GX-3

High Speed Camera System

1280 x 1024 up to 1500 frames per second (fps)

Max frame rate 198,000fps



Memrecam GX-3 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 1 μ s

Adjustable Frame Rates

in 1fps steps

Adjustable Resolution

Multiple Trigger Modes

Burst, multi-trigger, and 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 260D(mm)



MEMRECAM GX3

High Speed Camera System

Frame Rate	Available Resolution (examples)		Record Time Sec (8 bit)		
	FPS	Hor.	Vert.	2GB	4GB
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
1,500	1280	1024	1.07	2.14	4.27
2,000	1280	800	1.03	2.05	4.10
2,000	1024	1024	1.00	2.00	4.01
3,000	904	768	1.01	2.02	4.03
4,000	800	608	1.08	2.16	4.32
5,000	740	512	1.11	2.22	4.43
6,000	640	480	1.14	2.28	4.56
7,000	512	512	1.14	2.29	4.58
8,000	512	384	1.34	2.67	5.34
10,000	472	352	1.26	2.53	5.06
15,000	360	272	1.43	2.86	5.72
20,000	308	208	1.64	3.28	6.56
25,000	240	208	1.68	3.37	6.73
30,000	200	196	1.79	3.57	7.14
40,000	164	148	2.16	4.33	8.65
50,000	128	128	2.56	5.13	10.25
60,000	96	96	3.80	7.60	15.19
80,000	64	64	6.41	12.82	25.63
100,000	64	32	10.25	20.51	41.02
198,000	4	16	165.72	331.44	662.88

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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