

Optronis CR600x2

High Speed Camera System

1280 x 1024 up to 500 frames per second (fps)



CamRecord CR600x2 Features

CMOS Sensor

1280 X 1024 @ 500fps
14 µm - all Active Pixels

Bit Depth

8-bit or 10-bit

Adjustable Electronic Shutter

down to 2µs

GigaBit Ethernet Interface

Lens Mount

C-Mount OR F-Mount supporting "G type"

Compact Housing

145 x 95 x 78mm

Synchronisation

Internal and external sync recording

Light Sensitivity

ISO 4000 Mono
ISO 1000 Colour

Power

12VDC / 12W

Memory

8GB or 16GB

145 x 95 x 78.5mm; 1050g



CamRecord CR600x2

High Speed Camera System



Frame Rate	Available Resolution (examples)		Record Time Sec (8 bit)		
	FPS	Hor.	Vert.	8GB	16GB
100	1280	1024		64.09	128.17
250	1280	1024		25.63	51.27
500	1280	1024		12.82	25.63
1,000	1024	612		13.40	26.81
1,500	768	536		13.60	27.21
2,000	640	444		14.78	29.56
2,500	528	432		14.73	29.46
3,000	512	356		15.36	30.72
4,000	432	308		15.78	31.57
5,000	432	244		15.94	31.88
6,000	320	240		18.23	36.46
8,000	304	180		19.19	38.38
10,000	768	72		15.19	30.38
10,000	288	156		18.70	37.39
15,000	288	96		20.25	40.51
20,000	192	88		24.86	49.72
25,000	576	32		18.23	36.46
30,000	128	64		34.18	68.36
40,000	96	48		45.57	91.15
50,000	64	36		72.92	145.83
60,000	48	32		91.15	182.29
80,000	48	16		136.72	273.44
100,000	144	4		145.83	291.67

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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