

Optronis CR3000x2

High Speed Camera System

1696 x 1710 up to 543 frames per second (fps)



CamRecord CR3000x2 Features

CMOS Sensor

1696 X 1710 @ 500fps
8 µm - all Active Pixels

Bit Depth

8-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 1500 Mono
ISO 500 Colour

Power

12VDC / 12W

Memory

8GB or 16GB

145 x 95 x 78.5mm; 1050g



CamRecord CR3000x2

High Speed Camera System

| Frame Rate | Available Resolution (examples) | | Record Time Sec (8 bit) | | |
|------------|------------------------------------|------|-------------------------|-------|-------|
| | FPS | Hor. | Vert. | 8GB | 16GB |
| 100 | 1696 | 1710 | | 28.96 | 57.93 |
| 250 | 1696 | 1710 | | 11.59 | 23.17 |
| 500 | 1696 | 1710 | | 5.79 | 11.59 |
| 1,000 | 1440 | 1074 | | 5.43 | 10.86 |
| 1,500 | 1200 | 810 | | 5.76 | 11.52 |
| 2,000 | 1056 | 702 | | 5.67 | 11.33 |
| 2,500 | 928 | 626 | | 5.78 | 11.57 |
| 3,000 | 800 | 590 | | 5.93 | 11.86 |
| 4,000 | 736 | 474 | | 6.02 | 12.04 |
| 5,000 | 608 | 438 | | 6.31 | 12.62 |
| 6,000 | 544 | 394 | | 6.53 | 13.06 |
| 8,000 | 480 | 326 | | 6.71 | 13.42 |
| 10,000 | 352 | 322 | | 7.41 | 14.82 |
| 10,000 | 608 | 214 | | 6.46 | 12.91 |
| 15,000 | 352 | 206 | | 7.72 | 15.45 |
| 20,000 | 224 | 206 | | 9.10 | 18.20 |
| 25,000 | 288 | 138 | | 8.45 | 16.91 |
| 30,000 | 224 | 126 | | 9.92 | 19.84 |
| 40,000 | 160 | 110 | | 11.93 | 23.86 |
| 50,000 | 96 | 106 | | 16.51 | 33.02 |
| 60,000 | 96 | 78 | | 18.70 | 37.39 |
| 80,000 | 96 | 50 | | 21.88 | 43.75 |
| 100,000 | 96 | 34 | | 25.74 | 51.47 |

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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