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INCORPORATED

CamRecord **CR4000x2**

Optronis
Make time visible

The CamRecord CR4000x2 from nit Americas incorporated:
The family of ruggedized, compact highspeed camera systems.

CamRecord CR4000x2 Features:

- CMOS Sensor : 2304 X 1720
— all Active Pixels
- Reliable
- Easy-to-Use
- Bit Depth : 10-bit
- Electronic Shutter :
OPEN to 2 μ sec
- Multiple Trigger Modes
- Synchronization: Internal
and external sync recording
- Interface : Gigabit Ethernet
- Lens Mount : C-Mount,
F-Mount with Adapter,
AFG Mount available
- Compact Housing
- Ruggedized : Sealed camera
core, uses no fans.
- Optional: LabView Driver



The CamRecord line of high-speed digital video cameras provides the user with rates, high resolutions and long record times... all in an extremely compact package!

The extremely reliable CR4000x2 records brilliant color images or crisp monochrome images at 500 fps with resolutions up to 2304 x 1720 pixels.

The CR4000x2 is a versatile, easy-to-use camera system, that provides affordably priced high-speed video solutions to a broad array of users. Camera applications include: biomechanics, general research and test, machine design, production line maintenance, packaging and many, many more!

When it comes to reliable, high-quality, high-speed camera systems, make the proven choice with nit Americas and you'll see the visible difference!

CamRecord CR4000x2

Frame Rate/Resolution Table

CamRecord CR4000x2		
Max Res (pixels)	2304 X 1720	
Optical Format	20.12 mm	
fps @ Max Res	500	
Gpix/ sec @ Max Res	1.98	
	Mono	Color
ISO Rating	800	150
Memory Options	2GB, 4GB, 8GB, 16GB	
Max fps	100,000	

Imaging Formats	fps @ Format
2304 x 1720	500
1920 x 1080	800
2304 x 864	1,000
1280 x 720	1,000
2304 x 572	1,500
2304 x 428	2,000
2304 x 340	2,500
2304 x 168	5,000
2304 x 140	6,000
2304 x 80	10,000
2304 x 28	25,000

*Note: Recording Time Depends on Memory Configuration, Resolution, Frame and Image Bit Depth.

Recording Time (seconds) = [(Memory Configuration x 1024 x 1,000,000) / (Frames/Second)]

Resolution/Frame (Bytes) = (Horizontal pixels X Vertical Pixels X Bit Depth/8)

CamRecord High Speed Camera Systems also Feature:

- Adjustable Frame Rates
- Fast Gig-E Interface
- Continuous Live Video Output
- Interface - Gigabit Ethernet
- Memory Segmentation
- Remote Control via PC
- Internal and External Sync Recording
- Trigger Switch - TTL, switch, open collector, rising or falling edge, on image content variation
- Lens Mount C-mount, F-Mount with adapter, AFG Mount available
- Optional -Lab View Driver
- Power 12 VDC/12 W
- Compact, Rugged Design - 1.1kg 145W x 95H x 78.5D(mm)
- Intuitive Capture and Control software

Please Note: Specifications described above are subject to change without notice.



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