nit americas
INCORPORATED

CamRecord
CR3000x2

Optronis
Make time visible

The CamRecord CR3000x2 from nit Americas incorporated:
The family of ruggedized, compact highspeed camera systems.

CamRecord CR3000x2 Features:

- CMOS Sensor : 1696 X 1710 — all Active Pixels

- Reliable

- Easy-to-Use

- Bit Depth : 10-bit

- Electronic Shutter : OPEN to 2µsec

- Multiple Trigger Modes

- Synchronization: Internal and external sync recording

- Interface : Gigabit Ethernet

- Lens Mount : C-Mount, F-Mount with Adapter, AFG Mount avalable

- 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 CR3000x2 records brilliant color images or crisp monochrome images at 500 fps with resolutions up to 1696 x 1710 pixels.

The CR3000x2 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 CR3000x2

Frame Rate/Resolution Table

CamRecord CR3000x2		
Max Res (pixels)	1696 X 1710	
Optical Format	19.27 mm	
fps @ Max Res	500	
Gpix/ sec @ Max Res	1.45	
	Mono	Color
ISO Rating	2,000	500
Memory Options	2GB, 4GB, 8GB, 16GB	
Max fps	100,000	

Imaging Formats	fps @ Format
1696 x 1710	500
1440 x 1074	1,000
1200 x 810	1,500
1056 x 702	2,000
800 x 590	3,000
736 x 474	4,000
608 x 438	5,000
544 x 394	6,000
352 x 322	10,000
224 x 206	20,000
224 x 126	30,000

*Note: Recording Time Depends on Memory Configuation, 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.