



adept electronic

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electronic solutions**

**The Machine Vision and  
Imaging Specialists**

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# Optronis

*Make time visible*

## CamRecord

### CR450x2



## HIGH-SPEED VIDEO CAMERA

**Compact and light sensitive  
High-Speed camera with 1000 fps**

- > **1000 fps (images/second)**
- > **Very compact housing**
- > **Very high light sensitivity**
- > **Resolution 800 x 600 pixels**
- > **Gigabit Ethernet Interface**
- > **Monochrome / Color**
- > **Up to 16 GB internal memory**
- > **User friendly software**

## Insight allows understanding.

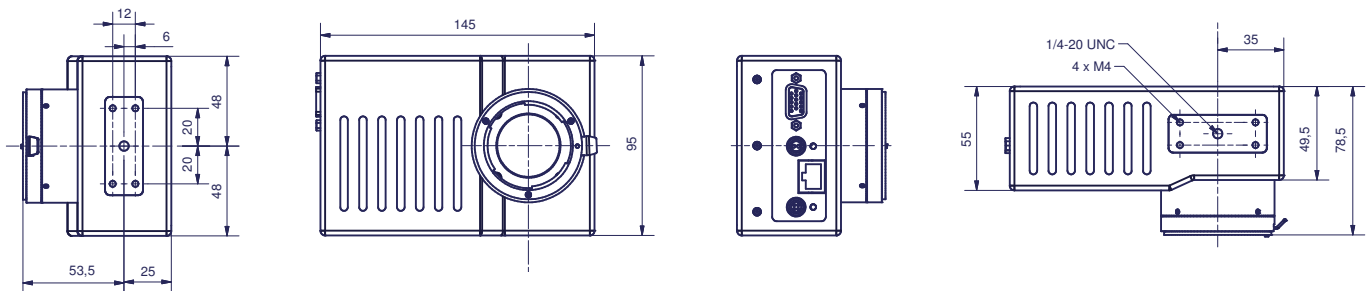
Performance		
Framerate / second (maximum)	Resolution (H x V)	Recording Time (16 GB, max. Framerate)
1000 fps	800 x 600	32 sec
2000 fps	600 x 400	32 sec

Model Overview	
CR450x2 /options	Description
/1GB /2GB /4GB /8GB or /16GB	Memory size in GB
/M or /C	Monochrome or color sensor
/FM or /CM	Nikon F-Mount or C-Mount

Optional accessories
LabView driver (Part number CR-LabView)
Software development kit (Part number CR-SDK)
Lenses, lights, tripod, trigger switches and more accessories on request.

Connector Pin Assignment			
4-pin LEMO FGG0B304CLAD52Z			
Pin 1	Sync IN	Pin 2	Trig IN
Pin 3	GND	Pin 4	Sync OUT

Specifications	
Resolution	800 x 600 pixel
Frame Rate @ Max. Resolution	1000 fps
Image Sensor	Progressive Scan CMOS
Exposure Time	1 $\mu$ s - 1/Framerate
Active Area	11,2 mm x 8,4 mm
Sensor Diagonal Dimension	14,0 mm
Pixel Size	14 $\mu$ m x 14 $\mu$ m
A/D Conversion	8 Bit
Dynamic	48 dB
Sensitivity	25 V/lux*s
Shutter	global electronic, >1 $\mu$ s exposure time
Trigger Signal	TTL, switch, open collector, rising or falling edge, on image content variation
Synchronization	internal, external
Interface	Gigabit Ethernet
Video Output	VGA
Power	12 VDC / 12 W
Lens Mount	Nikon F-Mount (optional C-Mount)
Weight	1050 g
Operating Temperature	0 .. 40°C
Humidity	< 80 % relative, non-condensed
Dimensions	145 mm x 95 mm x 78,5 mm
Conformity	CE, RoHS
Scope of delivery	Camera CR450x2, 5 m GigE cable, power supply, manual, trigger cable and CamControl software for Windows.



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