

Optronis

Make time visible

CamRecord

CL600x2



HIGH-SPEED CAMERA

**Powerful area scan camera
with CameraLink interface**

- > **High sensitive image sensor**
- > **Resolution 1280 x 1024 pixel**
- > **Lookup-Table (LUT) - 10 Bit to 8 Bit**
- > **500 frames/second at full resolution**
- > **Extended dynamic range up to 90 dB**
- > **Base and Full CameraLink interface**
- > **Region of Interest (ROI)**

CamRecord CL600x2

Light sensitive high-speed camera for real-time data acquisition.

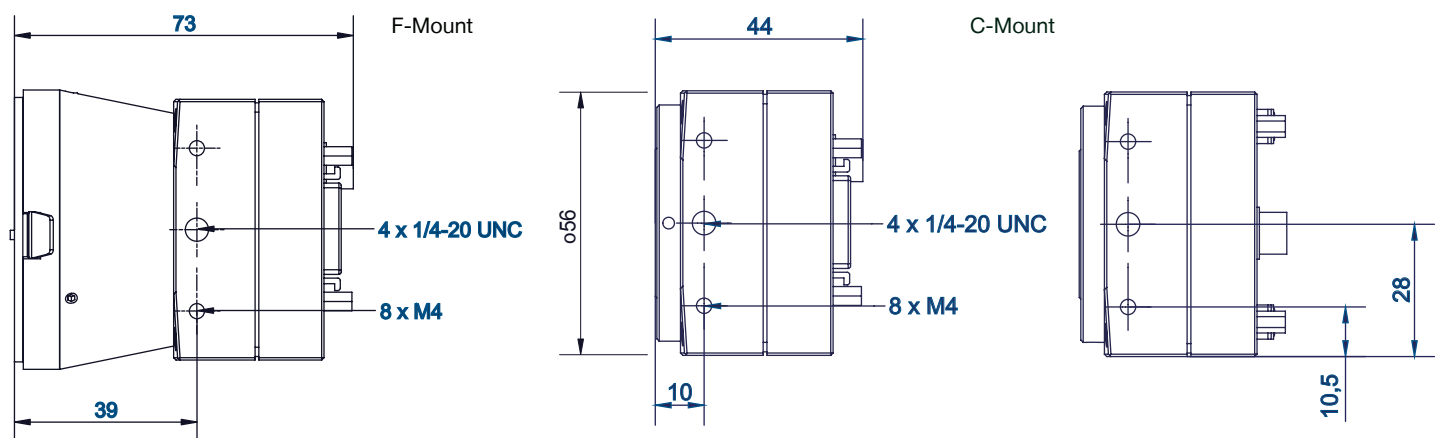
Model Overview	
Part Number	Description
CL600x2 /M /FM	monochrome, Nikon F-Mount
CL600x2 /M /CM	monochrome, C-Mount
CL600x2 /C /FM	colour, Nikon F-Mount
CL600x2 /C /CM	colour, C-Mount

Accessories
Customized power supply (standard power supply already included)
CameraLink cable
Wide range of C-Mount and F-Mount lenses
Different framegrabbers available on request.

Connector Pin Assignment			
6-pin HR10A-7R-6P Hirose			
Pin 1	Vcc 5 V	Pin 2	GND
Pin 3	Sync IN	Pin 4	Sync OUT
Pin 5	GND	Pin 6	GND

CameraLink Modes		
Base	2 taps / 8 Bit 2 taps / 10 Bit	max. 125 fps
Medium	4 taps / 10 Bit	max. 250 fps
Full	8 taps / 8 Bit	max. 500 fps
Extended Full	10 taps / 8 Bit	max. 500 fps

Specifications	
Resolution (Max.)	1280 x 1024 pixel
Frame Rate @ Max. Res.	500 fps
Image Sensor	Progressive Scan CMOS
Exposure Time	>= 1 µs
Active Area	17,92 mm x 14,34 mm
Sensor Diagonal Dimension	22,95 mm
Pixel Size	14 µm x 14 µm
A/D Conversion	10 Bit or 8 Bit
Dynamic	60 dB (90 dB optical)
Sensitivity	25 V/lux*s
Shutter	Global
Synchronization	internal, external
Synchronization level	TTL
Interface	CameraLink (Base-Medium-Full)
Frequency	85 MHz
Power	5 VDC / 5 W
Lens Mount	Nikon F-Mount (optional C-Mount)
Weight	250 g
Operating Temperature	0 .. 40°C
Humidity	< 80 % relative, non-condensed
Dimensions	56 mm x 56 mm x 44 mm
Conformity	CE, RoHS
Scope of delivery	Camera CL600x2, power supply, manual and CamSetup software for windows.



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