

# DEWE-CAM-GIGE-50-HD

## GIGE VIDEO PICTURE ACQUISITION

- ▶ Up to 100 fps @ 2048 x 500 pixels, color
- ▶ Gigabit Ethernet interface (up to 100 m cable length)
- ▶ Small rugged housing for easy integration
- ▶ Ready for C-Mount lenses
- ▶ Synchronization via external trigger
- ▶ Real-time data streaming at full resolution



## SPECIFICATIONS

Specifications DEWE-CAM-GIGE-50-HD	
<b>General specifications</b>	
Image device type	2/3" CMOS (CMOSIS/ams CMV2000)
Resolution	2048 x 1088 pixels
Pixel size	5.5 $\mu\text{m}$ x 5.5 $\mu\text{m}$
Resolution depth	8 to 12 bit
Lens mount	C-mount
Interface	Gigabit Ethernet (GigE vision compatible)
Frame rates	Up to 53.7 fps in full resolution
Exposure control	60 $\mu\text{s}$ to 1 s
Synchronization	Via external trigger, <2 $\mu\text{s}$ latency
Power requirements	8 to 30 V <sub>DC</sub> via HIROSE 12-pin connector
Power consumption	Typ. 2.7 W at 12 V <sub>DC</sub>
Dimensions (L x W x H)	86.4 x 44 x 29 mm (3.4 x 1.7 x 1.1 in.) incl. connectors
Mass	<190 g
Operating temperature	+5 to +45 °C
Conformity	CE, FCC Class B, RoHS, GigE Vision, CAN ICES-3 (B)
<b>Package information</b>	
Each DEWE-CAM-GIGE-50-HD package consists of	
▶ 1 DEWE-CAM-GIGE-50-HD camera	▶ 1 Mounting plate (for tripod or suction cup mounting)
▶ 1 Trigger/power cable (3 m)	▶ 1 Protection bag
▶ 1 Suction cup	
<b>Requirements</b>	
▶ GBit LAN interface in base unit	▶ Min. Core2Duo® i5 and 3 GB RAM in base unit
<b>Options</b>	
CAM-LENS-6MM-HD (C-MOUNT lens 6 mm, F 1.2, Iris 1.2 to 16, screw fixing for focus and iris, 42 x 46 mm / 125 g)	

# DEWE-CAM-GIGE-50-HD

## FRAME RATES AT DIFFERENT AREAS OF INTEREST

Resolution (px)	Max. frame rate (fps)
2048 x 1088	48
2048 x 500	100
1280 x 1024	80

### INFORMATION

The frame rate values mentioned above refer to one camera connected. For more information about frame rate values, when 2 or more cameras are connected refer to the [DEWE-CAM-GIGE-SPLIT-01-Box](#) technical reference manual.

## DIMENSIONS

