DEWE-CAM-GIGE-120

GIGE VIDEO PICTURE ACQUISITION

- ▸ Up to 210 fps @ 640 x 240 px, 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-120	
General specifications	
Image device type	1/4" CCD (SONY ICX618)
Resolution	656 x 492 px
Pixel size	5.6 μm x 5.6 μm
Resolution depth	8 to 12 bit
Lens mount	C-mount
Interface	Gigabit Ethernet (GigE vision compatible)
Frame rates	Up to 125 fps in full resolution
Exposure control	10 μs to 10 s
Synchronization	Via external trigger, <2 μs latency
Power requirements	8 to 30 V_{DC} via HIROSE 12-pin connector
Power consumption	Typ. 3.7 W at 12 V_{DC}
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	<200 g
Operating temperature	+5 to +45 °C
Conformity	CE, FCC Class B, RoHS, GigE Vision, CAN ICES-3 (B)
Package information	
Each DEWE-CAM-GIGE-120 package consists of	
▸ 1 DEWE-CAM-GIGE-120 camera ▸ 1 Mounting plate (for tripod or suction cup mounting)	
▸ 1 Trigger/power cable (3 m) ▸ 1 Protection bag	
▸ 1 Suction cup	
Requirements	
▸ GBit LAN interface in base unit ▸ Min. Core2Duo® i5 and 3 GB RAM in base unit	
Options	
CAM-LENS-6MM (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)	

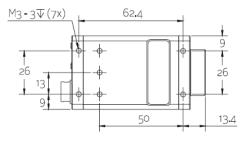*) Cameras with up to 54 fps at 2048 x 1088 px on request.

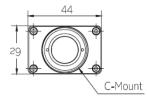# DEWE-CAM-GIGE-120

FRAME RATES AT DIFFERENT AREAS OF INTEREST

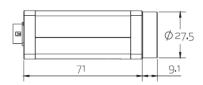| Resolution (px)	Max. fps
640 x 480	125
640 x 320	170
640 x 240	210

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.
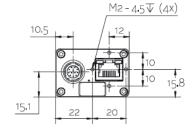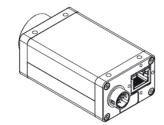
DIMENSIONS