

# DEWE-CAM-FW-70

- VGA 640 x 480 progressive CCD
- Up to 70 fps @ full resolution
- Super compact size
- Ready for C-Mount lenses
- Wide-range manual / auto gain  
Manual / auto exposure (shutter)  
Gamma on / off  
Real time shading correction
- External trigger input for synchronization including frame index
- Lockable IEEE1394 connector



## DEWE-CAM-FW-70

### Specifications

Image device type	1/2" (diag. 8 mm) progressive scan, SONY
Picture size	640 x 480 px
Cell size	9.9 µm x 9.9 µm
Resolution depth	12 bit (ADC)
Lens mount	C-Mount
Digital interface	IEEE 1394 IIDC v. 1.3
Transfer rates	100 Mbit/s, 200 Mbit/s and 400 Mbit/s
Frame rates	Up to 74 Hz in full resolution, higher rates with AOI
Gain control	Manual: 0 to 24 dB (0.035 dB/step); Auto gain (selectable AOI)
Shutter speed	20 to 67.108.864 µs (67 s); auto shutter (selectable AOI)
External trigger	Yes
Shutter trigger	Yes
Smart features	Real time shading correction; built-in FIFO memory up to 17 frames
Power requirements	8 to 36 V <sub>DC</sub> via IEEE 1394 cable or 12-pin HIROSE
Power consumption	Less than 3 W (@ 12 V <sub>DC</sub> )
Dimensions (L x W x H)	72 x 44 x 29 mm (2.8 x 1.7 x 1.1 in.) w/o tripod and lense
Mass	<120 g (without lense)
Temperature	Operating: +5 to +45 °C; Storage: -10 to +60 °C
Regulations	EN 55022, EN 61000, EN 55024, FCC Class B; DIN ISO 9022

### Package information

Each DEWE-CAM-FW-70 package consists of

- 1 DEWE-CAM-FW-70 camera
- 1 IEEE 1394 cable (4.5 m)
- 1 Trigger cable (4.5 m)
- 1 Mounting plate (for tripod or suction cup mounting)
- 1 Suction cup
- 1 Protection bag

### Options

C-MOUNT lense 6 mm, F 1.2, Iris 1.2 to 16, screw fixing for focus and iris, 42 x 46 mm / 125 g

### DEWE-CAM-FW-70 AOI (Area Of Interest)

AOI width [pixel]	AOI height [pixel]	Frame rate [fps]	Tf/ms
640	494	74.15	13.49
640	480	76.02	13.15
640	400	88.79	11.26
640	320	106.71	9.37
640	240	133.71	7.48
640	120	215.48	4.64
640	20	439.41	2.28

DEWE-CAM-FW-70: frame rates at different areas of interest



DEWE-CAM-FW-70 package with cables, suction cup and protection bag



DEWE-CAM-FW-70 connectors and mounting plate