

Compact Class iCCD - Camera



Compact iCAM

APPLICATIONS

- Low Light Microscopy
- Research
- Inspection
- Surveillance
- Defence
- Single UV Photon Counting
- ❖ UV to NIR

FEATURES

- Compact Sized Intensified Camera
- Image Intensifier Integrated
- High Voltage Power Supply Integrated
- Different Image Intensifier Types
- Different Photocathodes Covering Wide Spectral Range from 180 to 850 nm
- ❖ 1.4 MPix
- ❖ GigE





CAMERA SENSOR

Туре	CCIR 2/3"
	SONY ICX 285
Sensor	progressive scan
Pixel (H x V)	1392 X 1040
Pixel size (H x V)	6.45 x 6.45 µm ²

DIMENSIONS

Weight	ca. 650 g
Length	105 mm
Height	60 mm
Width	60 mm

CUSTOM DESIGN ON REQUEST

CAMERA SPECIFICATION

Output	GigE Vision with 12-, 10-, 8-bit output
Frame Rate	up to 30 fps (full resolution)
Features	Binning, Partial Scan, Pre- Processing
Auto-Iris	Video output
Software	SDK

Lenses	C-mount 2/3" or 1"
	12 V DC + 10%
Power supply	approx. 500 mA

IMAGE INTENSIFIER

Active diameter	18 or 25 mm
Input window	Clear glass
Photocathode	Solar-blind, Bi-Alkali, S20, S25, for different spectral sensitivities in the range 180850nm
Phosphor screen	P43, P46, P47
Blemish specification Coupling method to CCD	Standard camera blemish specification 25:11 or 18:11 fiber-optical
	taper

Different image intensifiers types with 1 or 2 MCPs (Gen2) are available.

The high-voltage power supply is also integrated in the camera housing.





