

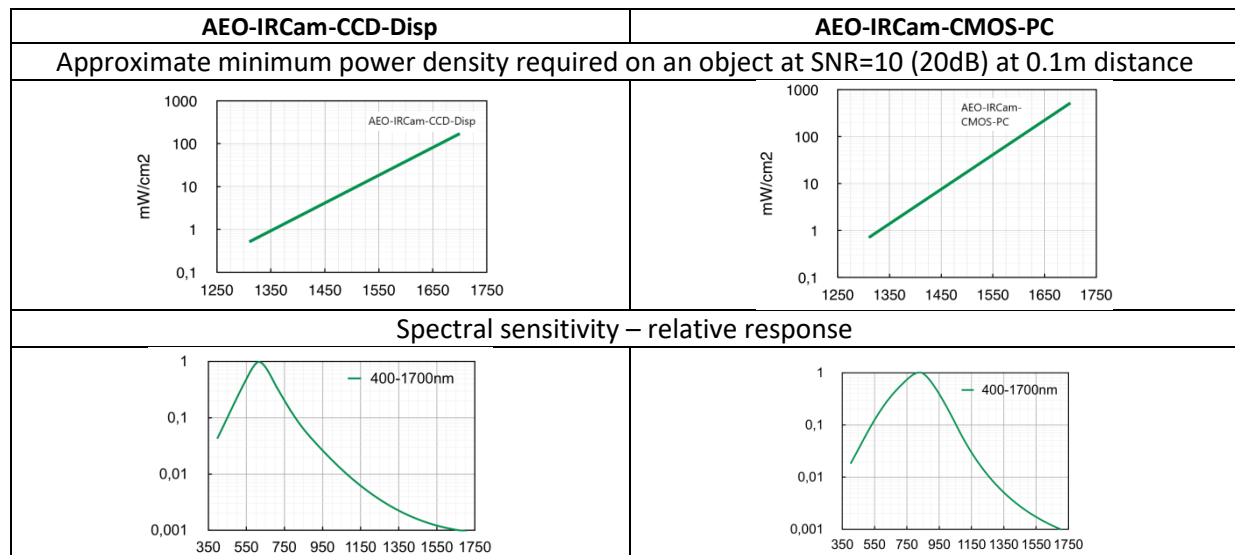
INFRARED VIEWER CAMERAS: AEO-IRCam

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IR cameras based on CCD / CMOS sensors designed for observation, registration and recording of infrared radiation.

3 different compact and cost-effective cameras for imaging purposes in the 400 – 1700 nm range

AEO-IRCam-CCD-Disp	AEO-IRCam-CMOS-PC
Based on high sensitivity, low-noise silicon CCD sensor and two-photon absorption phenomenon. Superior image quality obtained with micro lens system and special coating layer on silicon	Based on newest CMOS sensor with increased sensitivity in NIR region, micro lenses and intensifying cascades in each element
	
	
Camera with 4" display Battery + DC powered Up to 2.5h continuous working Hand-held / tripod fixed Video output	USB2.0 /3.0 computer control Formats: 1) 1280x960 (4, 8, 12.5, 16, 25, 30 Hz) 2) 1280x720 (5, 10, 15, 20, 30, 40 Hz) 3) 800x600 (6.25, 12.5, 20, 30, 40, 50 Hz) 4) 640x480 (8, 16, 25, 32, 50, 64 Hz)
Shipment includes: - IR camera - distance ring - IR cut-off filter - 4x AA rechargeable batteries - AC/DC adapter - tripod, manual and case	Shipment includes: - IR camera - distance ring - tripod - IR cut-off filter - software and drivers (CD) - manual and case



Specifications	AEO-IRCam-CCD-Disp	AEO-IRCam-CMOS-PC
Spectral sensitivity	400 - 1700 nm	
Lens	F1.4/26mm, CS-mount	
FoV	10º	
Focusing range	0.2m (or 0.1m)* to inf	0.15m (or 0.1m)* to inf
Sensor size	1/3 inch; 6.3 x 4.7 mm	1/3 inch; 6.0 x 4.96 mm
Pixel size	6.5 (h) x 6.25 (w) µm	3.75 x 3.75 µm
Display	4 inch TFT-LCD 480x234	no
Max. Res	300 TV lines	na
Resolution at max. sensitivity	135 TV lines	na
Dynamic range	na	60 dB
SNR	46 dB	54 dB
Gamma	0.45	na
Video out/in	CCIR standard composite video	na
Range of exposure	na	34µs - 34ms
Functions	Brightness; Contrast; Video out	na
Power supply	4x "AA" type rechargeable batteries; DC 12V, 400mA	PC via USB
Temp range	+5 to +40 °C	
Weight	0.77 Kg	0.2 Kg
Size	160 x 95 x 100 mm	55 x 55 x 75 mm
Warranty	2 years	

* with distance ring

Accessories:

AEO-ND	Neutral density filter to lens (3-5% @1064nm)
AEO-MA	Adapter to a microscope