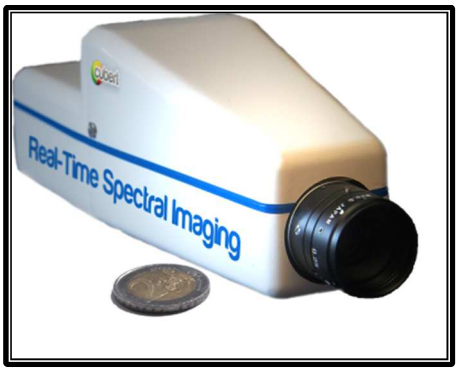
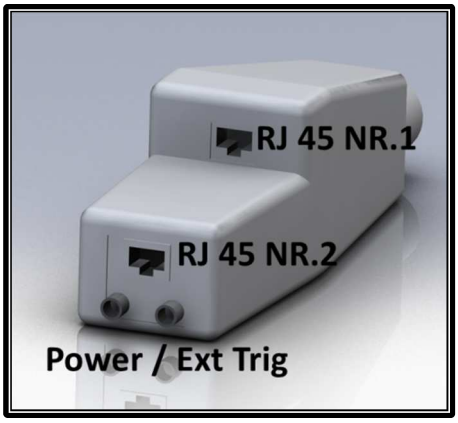
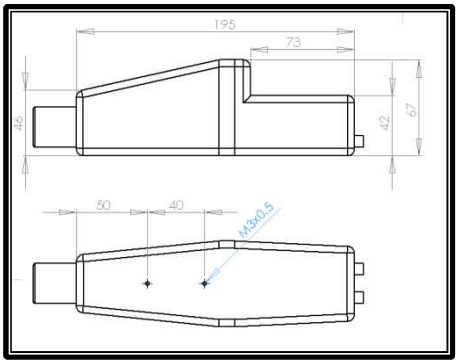
Technical specifications UHD 185 „Dragonfly“



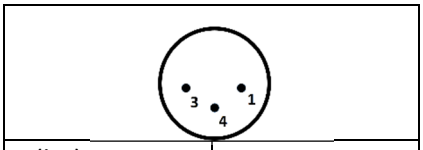
1 UHD 185 Dragonfly



2 Electronic wiring



3 Overall



1(bn)	Power V_{DC}
3(bu)	GND
4(bk)	NC

4 Interface power supply

Real-Time Spectral Imagine Frame Camera

Data quality:

Wavelength range	450 nm-950 nm
Detector	Silicon Sony ICX285
Spectral resolution	8 nm (@532 nm)
Spectral sampling	4 nm (125 channels)
Spectral sampling (physical)	1,05 nm/Pix@450 nm; 4,54 nm/Pix@650 nm; 8,13 nm/Pix@900 nm
Wavelength accuracy Δλ @ 532nm / 808nm	±2,5nm / ±4,5nm
Spatial resolution	1000*1000 Pixel²
SNR @ 25ms	58dB

Sensor data:

Type	Silicon
Cooling system	air-cooled
Digitalization	12 bit
Integration time	0.1 ms up to 10 000 ms
Measure frequency (UAV)	5 Hz

Mechanical data:

Weight	470 g
Size	appr. 195 mm*67 mm* 60 mm

Operating data:

Dust protection	Yes
Splash guard	Yes
Environmental conditions	Not condensing
Operating temperature	0°C up to +40°C

Optical data:

Focal length	e.g. 12 mm, 17 mm, 23 mm, 35mm
Aperture (angle)	e.g. 27°, 20°, 15°, 10°

Electronic data:

Voltage	DC 12 V
Power	15 W