

OE17-101 PYGMY



The OE17-101 Pygmy, is a compact and versatile HDIP colour subsea tooling camera offering excellent video quality with up to 1920 x 1080-pixel resolution at 30 fps. The camera utilises a 1/2.8" CMOS sensor and supports both H.264 and MJPEG video compression standards for transmission over a 10/100 Base TX Ethernet network connection.

Performance & Electrical

Horizontal Resolution	≥800 TVL/PH
Light Sensitivity	12.5 x 10 ⁻³ lux @ 10% mean sensor level (faceplate illumination)
Minimum Scene Illumination	12.5 x 10 ⁻³ lux (night mode)
Sensor	1/2.8" Progressive CMOS
Power Input	16 to 24 VDC, 0.2A (max) or IEEE802.3at PoE Class 0 compliant
Inrush Current	0.5A (16 to 24 VDC configuration)

Video & Network

Sensor Resolution	1920 x 1080 (2MP)
Video Compression	H.264 and Motion JPEG
Glass to Glass Latency	300 mS
Video Streaming	Dual simultaneous streams
Frame Rate	30 fps @1920x1080
Interface	10/100 Base TX Ethernet

Optical

Lens	3.7mm, F2.0 fixed focus
AOV (In water)	Horizontal: 83.8° Vertical: 45.6° Diagonal: 96°
Iris Control	Automatic
Focus Range	20mm to 50mm, fixed (in air) 120mm to infinity, fixed (in water)

Mechanical

Dimensions	Diameter: 46mm (widest point) Length: 195mm (excl. connector)
Weight	In air: 0.7 Kg, In water: 0.4 Kg
Housing Material	Titanium alloy, 6AL/4V ASTM B348 Grade 5
Connector	Subconn DBH13MTI (other options available)

Environmental

Operating Depth	6000 msw
Temperature	-5 to 40°C
Shock	30G peak acceleration, 25ms half sine duration, on all three axes
Vibration	10G, from 20 to 150HZ on all three axes
Electromagnetic Compatibility	BS EN 61000-6-3: 2007 Emission and BS EN 61000-6-1: 2007 Immunity