Eagle IP 180 & 360 Cameras

Underwater 4K Orbital Field of View

OTAQ

Eagle IP 180 and 360 cameras deliver an incredible blend of high performance specifications and features in a cost effective package. With market leading field of view (FOV), distortion correction and in vision orbital movement the Eagle IP 180 and 360 cameras enable wide field image capture and manipulation on a previously unobtainable budget.

A single Eagle IP 180 camera gives a highly impressive 180° FOV, while the 360 version generates a full 360° FOV 'orbital' image. The software corrects for image distortion and generates 'back to back' imagery when deploying the 360 version in a single viewing window.

Via the topside software, the operator has full live orbital viewing capability removing the requirement for a costly mechanical pan and tilt. The operator adjusts their angle of view in the live video stream, digitally zooming in on a target of interest in real-time or when playing back recorded footage. Enabling 'single pass' image capture of the submerged environment, work site or targets of interest, the Eagle IP 180° / 360° sees everything all the time.

Small, lightweight and requiring a 10/100 BaseT ethernet connection, the cameras can be deployed on small inspection class ROVs, AUVs and landers and are ideal for operations where situational awareness is a must.

Market
Offshore Energy, Oceanographic Research, Nuclear Energy

Applications
• Situational awareness
• ROVs of all sizes
• AUVs
• Fixed installations
• Landers
• Nuclear

Models
180° and 360° FOV Dome Camera – 4K Colour Camera, Fixed Focus, 300m – 4000m

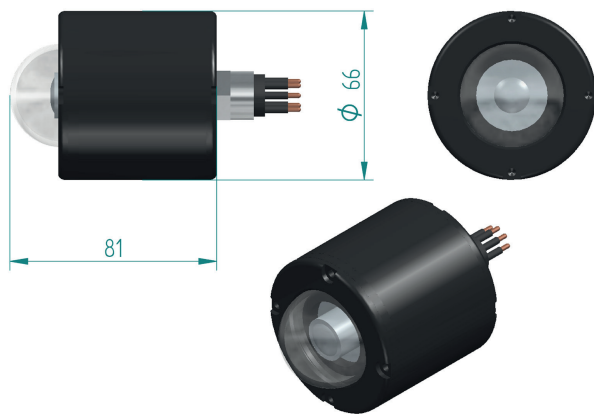**Notes**
• Advanced software enables 'Back to Back' image generation and correction
• Full 180°/360° real time viewing and software based zoom capability
• Orbital viewing removes requirement for mechanical pan and tilt
• Enables 'single pass' image capture of work site
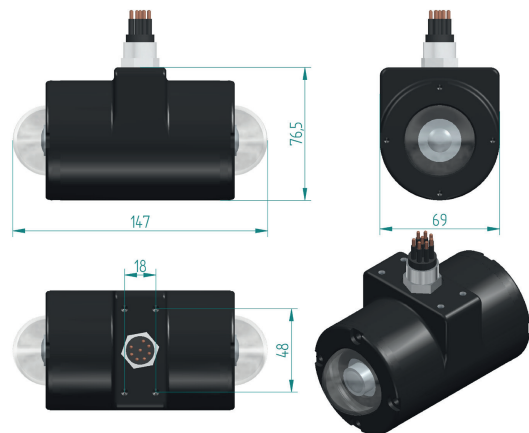• Enables post process reviewing of work site

Model	Eagle IP 180°	Eagle IP 360°
Resolution and Frame Rate	8 Megapixel / 4K / 3840 x 2160P @ 15 FPS (variable)	2 x 8 Megapixel / 4K / 3840 x 2160P @ 15 FPS (variable)
Communication	10/100 BaseT Ethernet	10/100 BaseT Ethernet
Compression Protocol	H.264 and H.265	H.264 and H.265
Focus	Fixed with digital zoom	Fixed with digital zoom
Field of View	180 Degrees	360 Degrees
Min. Light Level	0.01 Lux	0.01 Lux
Dimensions	81 x 66 mm	147 x 69 x 48 mm
Weight	250g in air / 0g in water	460g in air / -90g in water (floating)
Depth Rating	300/6000m	300/6000m
Material	Acetal/Titanium	Acetal/Titanium
Power	18-20VDC @ 200mA	18-20VDC @ 500mA
Connector	MCBH-6-M (options available)	MCBH-6-M (options available)
Topside	Software GUI, laptop	Software GUI, laptop

Eagle IP 180°

Eagle IP 360°

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Specifications subject to change without notice. Images are representative.