REACH SYSTEMS
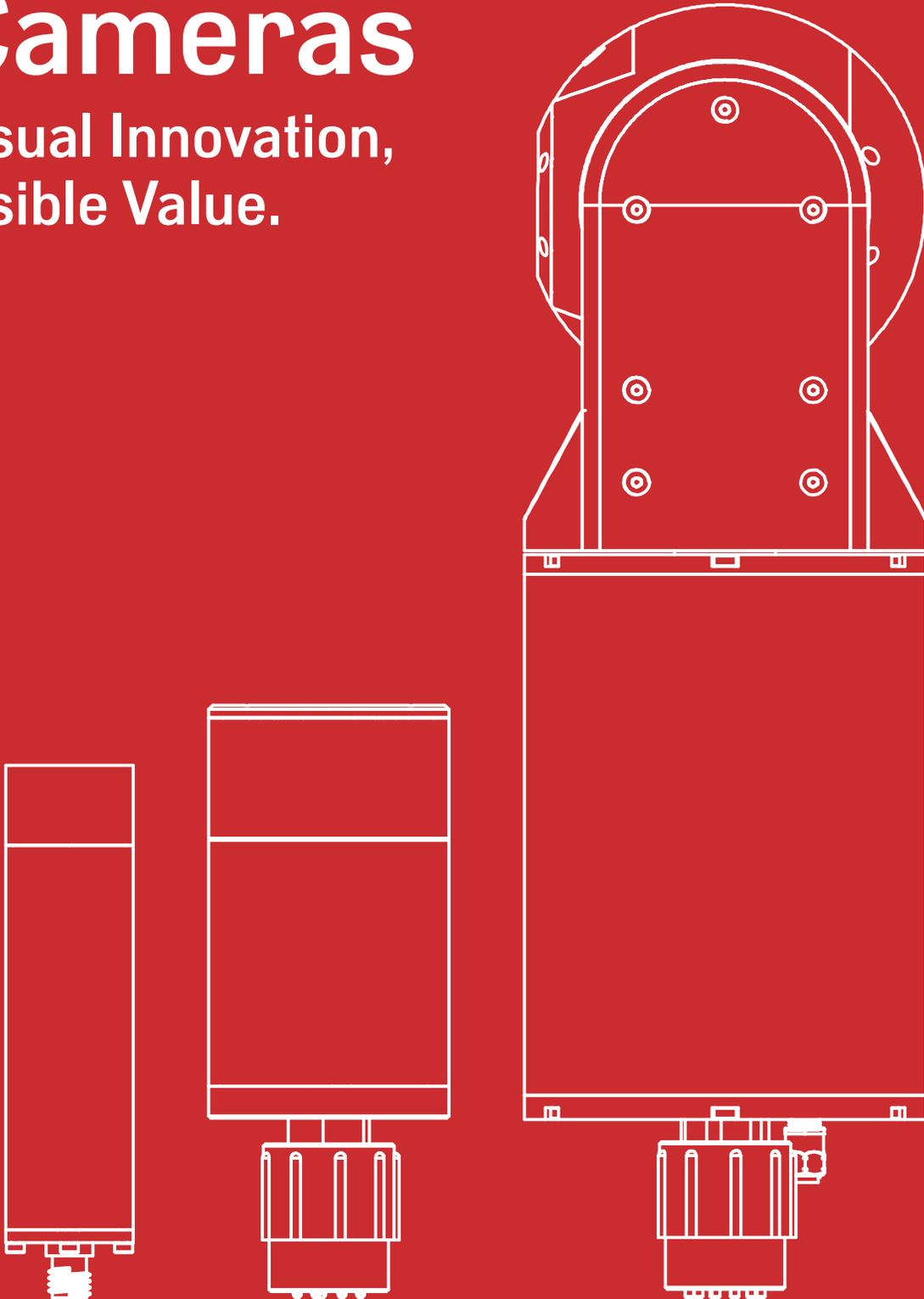Your equipment, next level. Easy.

Cameras
Visual Innovation, Visible Value.

Compact HD Cameras

Visual Innovation, Visible Value.

Reach Systems cameras are designed as compact modules to support a range of applications, including remote inspections, permanent installations, and personnel safety & monitoring. They can also operate as part of a remote robotic inspection system. Simple, durable, and reliable, these camera units offer high-resolution H.264 and MJPEG video streaming over a 10/100 Base-TX Ethernet network connection. All our cameras provide excellent low-light performance and a wide field of view, making them ideal for mounting on robotic systems, as stand-alone cameras for confined space operations, or as part of an inspection and monitoring system for subsea applications.

Our smallest camera is the Auk. At less than 32 mm in diameter and 122 mm long, the Auk is rated for operation up to 6,000 meters underwater — making it perfect for attaching to inspection and work-class ROVs to provide HD auxiliary video or, when combined with a separate LED light, creating a complete commercial diver camera package.

The larger Puffin offers all the same features as the Auk, with four optional LED light modules built into the camera housing. Zoom, 4K resolution, and real-time AI capabilities are also available options. With a depth rating of 300 meters, it is an excellent option for smaller ROVs, USV deployment (overboard camera), or simple stand-alone inspections.

For more demanding inspection applications, the Heron is an industrial Pan-Tilt-Zoom (PTZ) video camera system for use above or below the waterline, across a range of applications and industries. The standard system offers full 1080p resolution, with 360° continuous pan, 270° tilt, variable intensity LED lighting, 10x optical zoom and a 50-meter depth rating. At only 100 mm diameter, it can fit into extremely small spaces, without sacrificing any capabilities. Plus, with on-demand advanced features like Wide Dynamic Range (WDR) and defog, it is ideal for almost any remote inspection requirement. Every Reach Systems IP camera is available with our video software, providing on-screen overlay, recording, snapshots, and control of advanced features.

Applications include:

- Confined space or underwater inspections
- Pipe, caisson and tank inspection
- Foreign object search and retrieval
- Reactor vessel inspection
- Robotics and remote tooling
- ROV integration

Auk

Model shown here: 015-005-IP-6K

Don't let its size fool you. With a diameter of just 32 mm and a length of 122 mm, the Auk delivers exceptional quality and performance under even the most challenging remote monitoring & inspection conditions — in the air, on the ground, and up to 6,000 meters underwater. Robust and reliable, it attaches to your inspection class ROVs to provide HD auxiliary video, or combines with a separate LED light to create a complete commercial diver camera package.

SPECIFICATIONS

Model	015-005-IP	015-001-IP	015-005-IP-6K
Resolution	1920 × 1080p		
Video Format	H.264, MJPEG (Duplex Streaming)		
Sensitivity (min.)	0.1 Lux		
HFOV (in air)	108°		
Power	12–48 VDC Nominal, 2 W		
Diameter	< 32 mm		
Depth Rating	300 m	2,000 m	6,000 m
Length (without connector)	155 mm (119 mm)	133 mm (119 mm)	155 mm (119 mm)
Connector	MCBH6M	IE55	MCBH6M
Weight (in air)	~0.3 Kg	~0.3 Kg	~0.5 Kg
Material	6061-T6 Aluminum	6061-T6 Aluminum	Stainless Steel

Model shown here: 015-005-IP

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Puffin

Models shown here: Zoom 015-010-IP-ZM and AI Smart 015-003-IP-4K

(Somewhat) larger package, loads more power. Whether your deployment involves a mid-sized ROV, a USV (overboard camera), or a simple standalone inspection, some missions call for nothing less than the Puffin. This camera boasts all the capabilities of the Auk, with the option to include four integrated LED lights. As remarkably simple and durable as any Reach camera system, the Puffin is rated for operation at depths of up to 300 meters. Optional versions offer optical zoom, 4K resolution, and AI recognition capabilities.

SPECIFICATIONS

Model	015-003-IP-LD	Zoom 015-010-IP-ZM	Smart 015-003-IP-4K
Depth Rating	300 m		
Connector	MCBHM6		
Material	6061-T6 Aluminum		
Resolution	1920 × 1080p	1920 × 1080p	4608 × 2592p 11.9 megapixels
Video Format	H.264, MJPEG (Duplex Streaming)	H.265/H264	H.265/H264
Sensitivity (min.)	0.1 Lux	0.001 Lux	0.01 Lux
HFOV (in air)	145°	62.7−7.6° (wide-tele)	102°
Diameter	60 m	Ø 72mm	60 m
Length (without connector)	154 mm (118 mm)	142.6 mm (106.6 mm)	154 mm
Weight (in air)	~0.65 Kg	~0.3 Kg	~0.8 Kg
Power	12V DC @ < 8 W	12V DC @ < 4 W	15−32 VDC @ up to 15 W
Focal Length	2.5 mm	4.8−48 mm, 10× Optical Zoom	2.75 mm
Aperture Range	F2.5	F1.7−F3.1	F2.2
Focus Mode	Manual (fixed)	Auto / One step / Manual / Semi-Auto	Auto or Manual
Lights	Cool daylight (7000K); variable intensity	N/A	750 lm, Cool daylight (7000K) color

Digital
Cameras

Product
Overview

2026
Q1

REACH SYSTEMS
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Heron

Demanding applications require industrial-strength solutions. Meet the Heron: full 1080p resolution within a complete PTZ system — 360° continuous pan, 270° tilt, variable intensity LED lighting, 10x optical zoom — all at just 100 mm in diameter! Rated for use at 50 meters below the waterline, the Heron fits into extremely small spaces, without compromising on capabilities or performance. Plus, on-demand advanced features like Wide Dynamic Range (WDR), and defog make it ideal for nearly any remote inspection mission.

SPECIFICATIONS

Model	018-000-AL
Resolution	1920 × 1080p
Video Format	H.264
Sensitivity (min.)	0.01 Lux
Zoom	10× optical (4.8−48mm)
Lights	Cool daylight (7000K); variable intensity
Pan	360° continuous
Tilt	270°
HFOV (in air)	62.7°−7.6°
Control	~0.3 Kg
Material	RS485/Pelco-D
Depth Rating	50 m
Diameter	100 mm
Length (without connector)	323 mm (278 mm)
Connector	MCBH12M (MCBH8M optional)
Weight (in air)	3.5 Kg
Material	6061-T6 Aluminum
Power	12V DC @ <8 W

Contact us today
to learn more!

1-888-615-5176
778-262-2354

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