

### LAMPREY DVR SYSTEM

The Lamprey DVR system uses patented technology to help see in most zero visibility conditions.

Custom-engineered cameras filter infrared light and the system processors transmit the signals to display units on which the operator sees a high resolution black and white image.

In addition, the Lamprey DVR offers a tethered video solution which both transmits the video to monitors topside, and allows the users to record the diver's point of view.

By using infrared and our custom technology, the Lamprey Vision System can see things that human eyes cannot.

Ideal applications for the Lamprey:

- SEARCH & RECOVERY
- EVIDENCE RECOVERY
- UNDERWATER CONSTRUCTION
- UNDERWATER INSPECTION
- SHIP HUSBANDRY
- OIL RIG INSPECTION
- ARCHAEOLOGICAL RESEARCH
- TREASURE HUNTING

#### System Includes:

1	DW-VIEWER008	Lamprey Monocular Viewer - Gen6 with DVR Plug
1	SMS-2D07-FZG1	Surface Monitoring System (2x7") w/ ToughPad
1	SMS-BATT01	Portable Battery Pack (SMS), 6 cells (24 VDC - 15Ah)
2	IRLIGHTAX01	IR LED Light, 24VDC, Protection Circuit, Dimmable, 300m
1	CBLAX-A030	Cable, Video Data Cable (CE) 30m (98'), Amp 8-pin RA, MCIL5F, RMG3FS
1	CBLAX-Y2L-8M	Cable, Y Splice from SCIL8M to MCIL5F and two RMG-3-FS with Delrin Locking Sleeves, 1.2m long pigtails
1	DW-ADHBRACKETS	Adhesive Brackets (for Mask) set of 2
1	DW-MNTBRACKETS	Mounting Brackets (for viewer) set of 2
2	DW-FLANGE01	Diffuser Flange - Red or White
2	DW-LENS01	Diffuser Lens - Medium
3	CLIP-02	CLIP-02 To Connect 1" Ball Mounts
3	DA-013M	Ball Mount for Light 1"
1	PC-106	Hard Case, PC-106

\*custom cable lengths available upon request

Additional accessories can be purchased individually (please request full price list)

### SYSTEM HIGHLIGHTS:

- » Monocular viewing system
- » Video monitoring of up to two divers
- » Records what the divers see
- » User-friendly software for quick deployment
- » Total submerged weight: 2.5 lbs
- » Depth rating: 300 feet
- » Rugged and portable



### TECHNICAL SPECIFICATIONS

#### Lamprey DVR System

Vision System Power Source:	Tethered power/video cable
Vision System Material:	Anodized aluminum alloy
Screen/Camera Resolution:	1080P
Glass Lens Material:	Tempered optical glass
Switching System:	Light heads: push-button with battery indicator
Depth Rating:	300 ft

#### AXSUB Surface Monitoring System

Video Display:	Two 7-inch monitors (1 per diver)
Video Output:	BNC (direct video feed) or HDMI from tablet
Power Source:	100-240 VAC or 24VDC Lead Acid Battery
Recording Functionality:	10 minute file splits via AxDDM Software

\*Additional technical information available upon request

#### Dimensions

Case:	16.3 x 13.2 x 7.0 in
Surface Monitoring System:	18.5 x 6.75 x 14 in
IR Light Head:	2.8 x 3.7 in

#### Weight

Total System Air:	3.1 lbs
Total System Submerged:	1.5 lbs
Vision System Air:	2.0 lbs
Vision System Submerged:	1.0 lbs
Light Head Air:	1.1 lbs
Light Head Submerged:	0.5 lbs
Surface Monitoring System:	18.0 lbs