



ROV

Remotely Operated Vehicle

Pixel



Reimagine underwater storytelling

Built originally for underwater cinematography, Pixel has found a secondary purpose in marine archeology. Providing real time 4k video both forward and downward and 45 MP stills, Pixel is a primary tool for cinematographers and marine archeologists. Multiple fiber optic lines simultaneously host live video and camera control while LED lighting and smooth multi axis propulsion cement Pixel's place at any wreck or site.

STANDARD EQUIPMENT

- SONY UMC S3CA ultra low light 4k video camera
- Zikon Z7 45MP Still Camera
- Panasonic Lumix BHG1 4k video camera
- BlueView Sonar
- Tecnadyne Model 561 Thrusters
- Marine Imaging LED Lights (Forward, aft & down)
- Marine Imaging HD IP Pilot Cameras (Port, starboard and aft)
- Scale Lasers

PERFORMANCE SPECIFICATIONS

Maximum Working Depth	300 m
Tether Length	300 m
Tether Composition	Fiber optic lines (4), DC Power (2+, 2-)

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TOPSIDE VEHICLE CONTROL SPECIFICATIONS

Vehicle Control	Benthos hand controller with 25' cable
Vehicle Power	Ametek Sorensen XG300-5 Power Supply x4
Camera Control	For cinema systems - Camera specific control systems and Preston remote lens controller
Live Feed Monitors	43" 4k LED monitor Sony 20" HD monitor 4 @ 17" HD Pilot monitors 3 @ Atomos 4k Recorders

PHYSICAL SPECIFICATIONS

Pixel (w/cinema lighting)	96"w x 40"l x 33"h, 280 lbs
Pixel (w/survey lighting)	60"w x 40"l x 33"h, 280 lbs
Tether (coil) Dimensions	42"w x 42"l x 18"h, 150 lbs
Topside Control Station	27"d x 24"w x 32"h
Topside Monitoring Station	Adaptable based upon available space

DEPLOYMENT SPECIFICATIONS

Vessel	25' LWL or greater with both open deck space and a protected topside area
Power	110 or 220vac, 30 amps minimum
Launch & Retrieval	Crane or davit rated for 400 lbs minimum
ROV Staff	Pilot, Camera Operator, Technician

AVAILABLE ADD-ONS (additional fees required)

Multi-beam Sonar	ADCP
Side Scan Sonar	CTD
Sector Sonar	Manipulator
Scanning Sonar	Depressor Weight
Doppler Sonar	Lighting Chandeliers
3D Optical Imaging	Camera Chandeliers
USBL	
INS System	