

Clearer vision when the water turns opaque

- AI-enabled muddy water camera



See 2–3× further and stream it in real time

2–3×

VIEWING DISTANCE

Clear, reliable images where turbidity limits ordinary cameras — delivered live at 25 fps.

REAL-TIME OUTPUT

1080p at 25 fps, H.264

END-TO-END LATENCY

~150 ms over 100M Ethernet

ON-BOARD COMPUTE

6 TOPS AI processing



BROCHURE IMAGING COMPARISON

Source: user-supplied Muddy Water Camera brochure

Three capabilities turn turbidity into evidence

01

Penetrate muddy water

Extends effective viewing distance and increases contrast in limited-visibility water.

2–3× ordinary cameras

02

Restore true color

Reduces the color cast that distorts underwater objects, bringing observed colors closer to reality.

Underwater true-color restoration

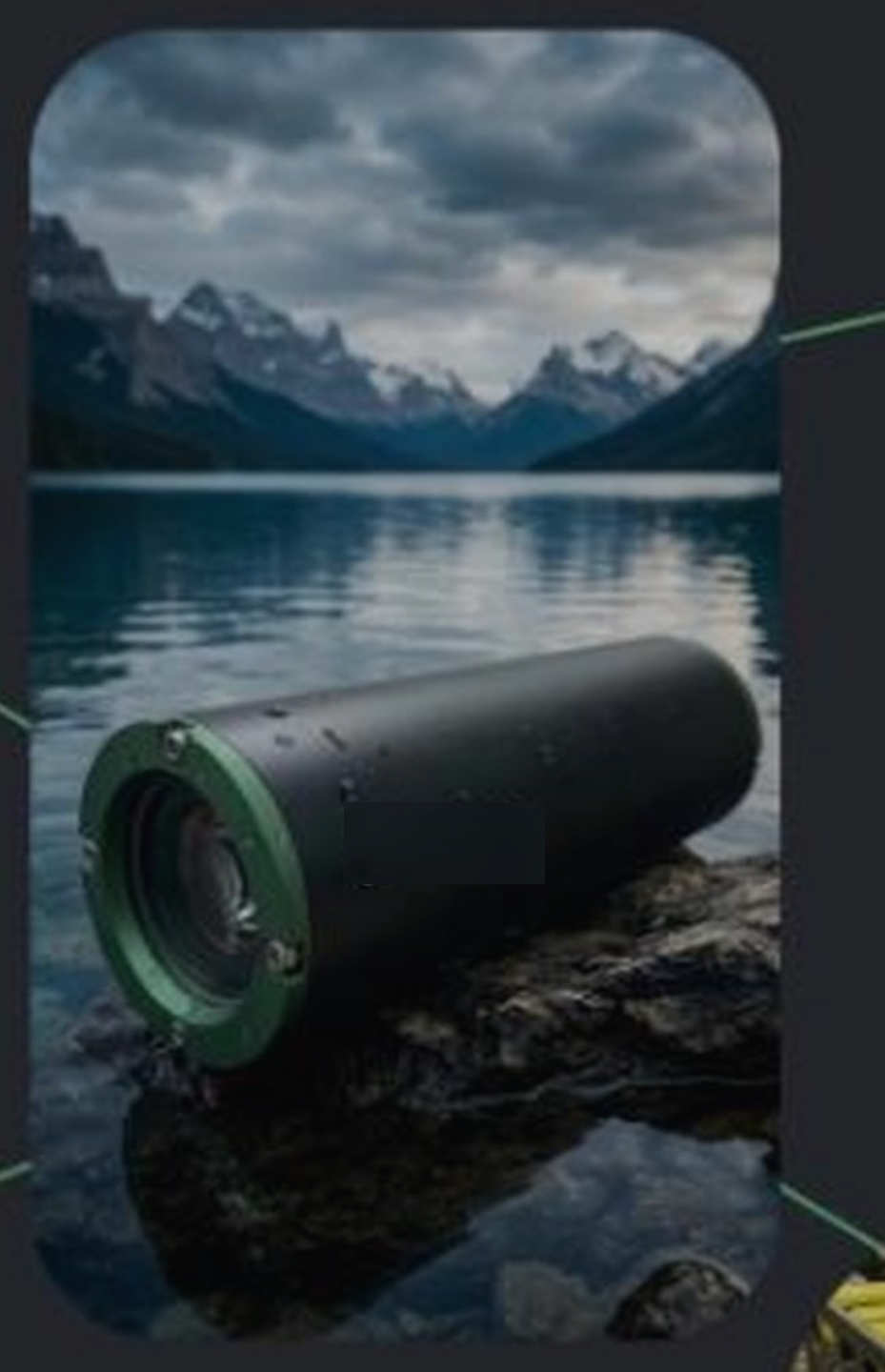
03

Stream in real time

Outputs 1920 × 1080 video at 25 fps with H.264 compression over 100M Ethernet.

~150 ms end-to-end latency

Source: user-supplied Muddy Water Camera brochure



DEPLOYMENT

Built for subsea deployment
from 300 to 4,000 metres

PRESSURE RATING	300 / 2,000 / 4,000 m
OPTICAL RESOLUTION	1920 × 1080
FIELD OF VIEW	53° × 42° underwater
FRAME RATE	25 fps
LIGHTING	White light
POWER SUPPLY	9–36 VDC
POWER DRAW	~15 W operating; ~25 W startup
COMPUTING POWER	6 TOPS

Source: user-supplied Muddy Water Camera brochure

A compact vision package for real-time subsea work

180 × 246 mm

CAMERA ENVELOPE

2.2 kg

IN AIR • 1.0 kg IN WATER

6-pin

SEALED CONNECTOR • CUSTOMIZABLE

Interfaces & construction

VIDEO	Real-time H.264-compressed output
NETWORK	100M Ethernet
MATERIALS	Hard-anodized aluminium alloy / titanium alloy / stainless steel
LATENCY	~150 ms, depending on network



Built to keep working at depth

01

Rated to 4,000 m

Pressure-rated housings at 300, 2,000 and 4,000 m cover harbour work through deep survey.

300 / 2,000 / 4,000 m options

02

Corrosion- resistant build

Hard-anodized aluminium alloy, titanium alloy and stainless steel for sustained seawater exposure.

Sealed 6-pin connector

03

Low-power continuous duty

Runs on 9–36 VDC at ~15 W operating and ~25 W startup, a light load on vessel and ROV power.

2.2 kg in air, 1.0 kg in water

Source: user-supplied Muddy Water Camera brochure

Proven performance. Dependable at depth.

• Muddy Water Camera • enquiry@ssaapl.com

