

The MudChaser MC106D

Description

At the heart of the Clearview System™ is Blackwater Vision's patented turbid, black water displacement hand-held viewer, the MudChaser™. With its integrated color camera and LED lighting, spectacular and vivid color imagery is transmitted back to the console operator and to the diver. Using a proprietary technique, the weightless MC106 efficiently displaces the turbid water conditions up to 15" (beyond arm's reach), allowing the diver to view, inspect, and weld the target area up close and personal! With balance, simplicity, safety, and flexibility engineered into the design, Blackwater Vision, LLC brings to market a new, extraordinary, and unparalleled tool for the challenging black water work of the commercial diver.



Features

- Handheld 6" diameter MudChaser™ with comfortable pistol grip allows the Diver and Tender/Supervisor to see, inspect, and work clearly in the most turbid water conditions.
- Using a low-tech, highly reliable technique, the muddy, turbid water is displaced, allowing for easy single-handed operation.
- Integrated Analog High Def (AHD) video, color camera
- Integrated surround Hi-Intensity 20-LED light ring.
- Neutrally buoyant in water adds no additional work fatigue on the diver.
- Standard unit Includes a connector port to connect the optional Diver Display
- Integrated Video Switch Unit (VSU) supports Diver Display and optional helmet-mounted camera connection.



VSU Options

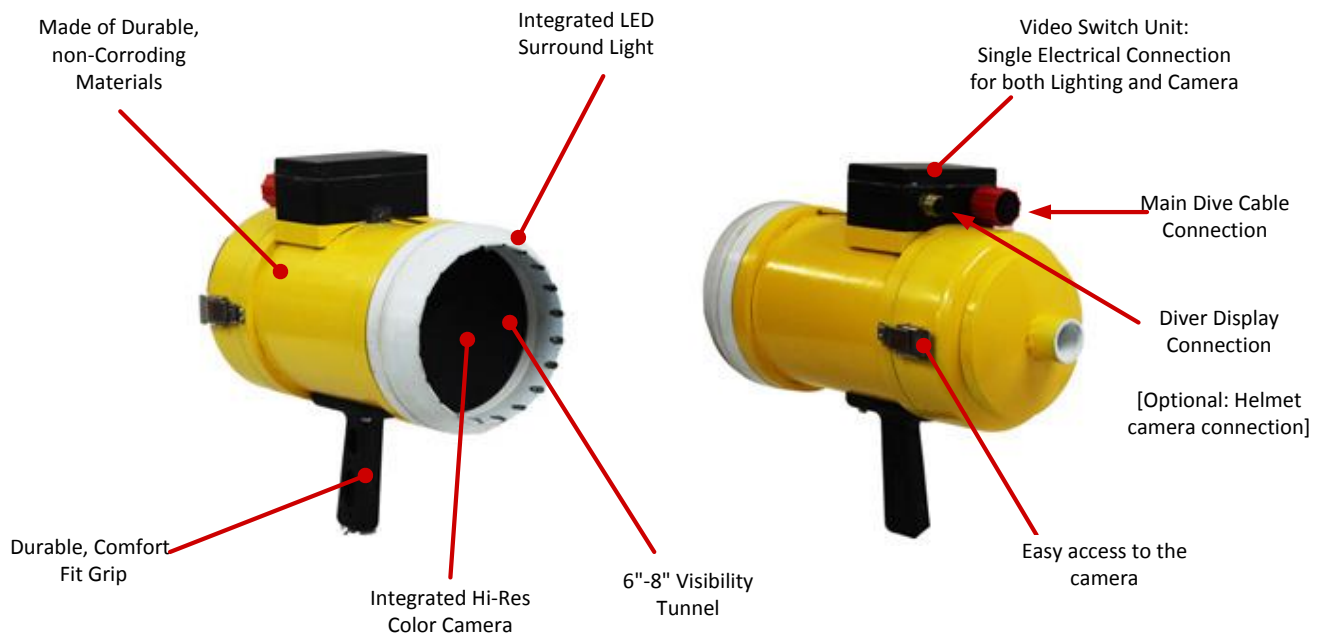
- Helmet-mounted camera connection. Allows the helmet cam to plug into the VSU and allow surface switching between cameras.

The MudChaser MC106D

Applications

- Underwater Welding
- Infrastructure Inspections/Surveys
- Underwater Inspections in Lieu of Dry-Docking (UWILD)
- Salvage and Recovery
- Ship Inspections, Repair & Examinations
- Search/Rescue Missions
- Archeological Digs
- Any Underwater work in black water conditions

MudChaser™ Features (Floatation Jacket not shown)



Specifications

The MudChaser MC106D

Inlet Water Port	1" NPT Female (fitted w/male cam&groove)
Outlet Mouth Opening	6in
Flow rate range (operating)	20-25 gpm
Flow rate (max)	25 gpm
Range (useable) at 20gpm	Up to 15in (reduced in cross-currents)
Weight, dry (w/camera and VSU)	11.5lbs / 19.8kg
Weight, wet (w/o flotation jacket)	2.2lbs / 4.8 kg
Weight, wet (w/ flotation jacket)	0 lbs / 0kg (Neutral buoyancy)
Length (in/cm)	15.5in / 39.5cm
Outer Diameter (in/cm) (std nozzle)	7.25in / 18.4cm
Color	Yellow
Finish (Outer surface)	Epoxy coating

Video Camera



Features

Very Low Light Sensitivity

The MudChaser MC106D

	Focal Length: 5-15"
	Depth Rating: 930ft / 300m
Mechanical	Size: 1.6"(4.1cm) Diam x 7.3"(18.5cm)
	Body Material: Black Delrin
Video/Electrical	Video signal output: AHD 720, NTSC
	Resolution: 720 horizontal lines
	Sensitivity: 0.1lux