

MicroWing™ System by Nova Ray Converts VideoRay® ROV for Easy Towing



Adding the removable MicroWing™ system makes it easy to tow the VideoRay® micro-ROV, and provides more underwater capabilities.

Nova Ray, Inc., manufacturer of the inspection class Nova Ray® ROV, developed the MicroWing™ for VideoRay® micro ROV. The MicroWing™ is a mini version of Nova Ray's patented arcuate wing technology designed for true axis flight in strong currents. Drawing from this expertise, Nova Ray developed the MicroWing™ for the micro ROV, further defining its design as an ROV industry innovation.

Removable, Lightweight *MicroWing™* for Increased Capability

The lightweight, MicroWing™ simply attaches to the top of the ROV with just a few tools. Within minutes, the MicroWing™ is attached and ready to deploy for responsive towing.

Features of the *MicroWing™* System

- Responsive towing capability.
- Increased payload capability.
- Easy assembly, and quick deployment.
- Cost effective, and operationally efficient.
- Lightweight polyurethane construction.
- Simple flight instructions.



MicroWing™, designed for VideoRay® micro-ROVs, is the newest addition to the Nova Ray, Inc. family of products, using the Nova Ray® arcuate wing technology.

For more information, or to order your MicroWing™ System, contact:

Nova Ray, Inc.
13600 NE 126th Place Suite B
Kirkland, WA 98034-8720
Fax: 425-825-9364
Tel: 425-825-0654
info@novaray.com
www.novaray.com



Category	Standard Feature	MicroWing™ Specifications
Performance		
Depth	Depth Rating	300 meters or 1,000 feet.
Payload	Increased Capability	The MicroWing™ provides up to 1.5 kilos (3 lbs.) of additional payload capability.
Maneuverability	Towing	Allows the mini-ROV to be towed while maintaining maneuverability, both in still water and in currents.
	Speed	Up to 5 knots in currents under tow.
	Deployment	The MicroWing™ system is light-weight, compact and easy to deploy. It is designed to be compatible with the existing deployment capabilities of the ROV.
	Control Surface	Elevator provides vertical positioning (depth control).
	Neutral Buoyancy	Ballast weights maintain neutral buoyancy.
	Sonar Adaptable	The MicroWing™ can be fitted with the sonar used on the existing ROV.
Temperature Rating	Operating Range	32 - 122°F (0 - 50°C)
Command and Control System		
	Integrated Control Console	The MicroWing™ system is controlled using the existing ROV control console.
MicroWing™ Characteristics		
Physical	Length, Width, Height, Weight	L: 457mm. W: 587mm. H: Body: 92mm; Rudder: 140mm. Weight: 3.3 kg. (assembled).
Construction	Material	Wing: Impact resistant, light weight polyurethane resin. Gearbox/ Elevator/Tow fittings and mounts are stainless steel or aluminum for corrosion resistance and durability.
Other		
Tools & Spares	Tool Kit	The MicroWing™ system comes with a tool kit, spare parts, extra ballast weights and step-by-step instructions for easy assembly.
Warranty	Agreement	Details available from customer service.