

iSeaMC

Intelligent Seafloor Monitoring and Consulting



Rossia Crawler series (3000 m version)

Main Frame and caterpillar section	PEHD-500
Vehicle	LWH 140x 100x 85 cm
Weight in air	280 kg approx.
Control unit	carbon fibre with titanium grade 5 caps
Payload	120 kg approx
Max depth	3000 m
Buoyancy	Solid cell structure
Power input	48 V
Motors	Dunker, 600 W
Speed approx	0.1 to 0.5 m/s
Camera	Wisenet XNP-6040H or similar
Camera 2, option	Low light Sony camera, 0,05 lux
Lights, standard	Up to 140 Watt neutral white light
Sensors	CTD, ADCP, turbidity, chlorophyll, methane, and others on demand
Compass	TCM-XB compass

Optional equipment

Sony low light camera, 3 D laser camera for navigation and mapping, micro-optodes

PTU unit

Manipulator Electric 5e manipulator

Surface buoy for tele-operations from ship or shore

Full autonomy package (2020)