

M5-A SCOUT

Kraft TeleRobotics is proud to offer the M5-A SCOUT remotely operated vehicle system for Inspection and environmental monitoring purposes. The SCOUT system was developed to meet the increasing demand for greater safety while working in underground utility vaults. For customers who have personnel working in confined spaces, areas with restricted access, or hazardous environments, the M5-A SCOUT provides a low cost alternative for performing a variety of tasks. Once deployed, SCOUT is capable of detailed video inspections from floor to ceiling, pinpoint laser aimed infrared temperature measurements, and atmospheric testing for flammable gasses, toxic gasses, and oxygen levels. Additionally the M5-A SCOUT can be used while workers are in the vault, to provide a continuous visual and audio link with co-workers at street level.



FEATURES

Portable - Can be transported in a small truck with bumper mounted lifting device.

Compact - Will pass through a 27" Dia. manhole, and travel along a 22" wide corridor.

Water Proof - May be operated continuously in a dry or flooded environment.

Maneuverable - Capable of rotating 360 degrees about its own axis.

Radio Controlled - No wires or umbilical cable of any kind.

One Man Operation - Can be easily deployed, operated and recovered by one man.

M5-A Vehicle

Drive System	Differential electric drive.
Power Supply	Sealed no-maintenance batteries
Battery Charging	Connector on vehicle permits battery charging off utility truck alternator, or supplied battery charger.
Operating time	10 hours typical
Dimensions	20.5" wide x 21" long x 52" high.
Weight	Approx. 275 pounds.

Instrumentation Payload

Standard	<ul style="list-style-type: none">• Pan and tilt mounted color CCD camera, with auto focus, and 8x zoom
	<ul style="list-style-type: none">• Telescoping camera mast, capable of raising camera 7' 6" above floor level
	<ul style="list-style-type: none">• Two pan/tilt mounted 20 watt halogen lights
	<ul style="list-style-type: none">• One 70 watt halogen floor light
Optional	<ul style="list-style-type: none">• pan/tilt mounted, laser aimed, infrared temperature measuring unit
	<ul style="list-style-type: none">• thermal imaging camera
	<ul style="list-style-type: none">• vehicle mounted gas monitoring equipment
	<ul style="list-style-type: none">• six-function manipulator arm

Operators Control Station

Operator Control Unit	Compact hand held proportional joystick.
Dimensions	4.75" wide x 6.75" long x 5" high
Weight	2.1 pounds
Control Electronics Unit	19" rack mount packaged in rugged weather proof transit case.
Power Requirement	12 volts DC or 115 volts AC
Dimensions	22.4" wide x 22" long x 12.1" high.
Weight	30 pounds
Display	Color CRT or flat panel LCD