 REMOTEC Andros F6A
The Industry’s Most Versatile Robotics Platform

Features

- Colour Surveillance camera with light, 72:1 zoom, pan/tilt
- 24-inch camera extender
- Multiple-mission tool/sensor mounts with plug and play capabilities
- Gripper with continuous rotate
- Manipulator arm with seven degrees of freedom ensuring optimum dexterity
- Quick-release, no-tools-required, pneumatic wheels for rapid width reduction
- Patented articulating tracks allow for traversing ditches, obstacles and the roughest terrain

Vehicle Data/Communication Links
The three data links available for operator control of the ANDROS vehicle are:
- Fiber Optic Cable – deployed from the vehicle
- Radio Control (wireless)
- Hard tether cable
Product Specifications

Andros F6A

Dimensions
Height: 56.5"
Width: 29" or 17.5" without wheels
Length: 52"
Ground clearance: 3.5"
Weight: 485 lb

Mobility
Method: Articulated tracks and quick release wheels
Slope: 45° including stairs
Speed: 0 to 3.5 mph
Traverse: Openings up to 21" and Obstacles up to 18"
Turning: Within the length of the vehicle

Manipulator
» Variable speed control for precision
» Dual sided, quick change accessory mounting system
Torso Rotate .................. +/- 90°
Shoulder .................. 210°
Elbow .................. 210°
Wrist .................. 210°
Wrist extend .................. 8" Grip rotate .................. 360° continuous
Gripper .................. 0" to 12" open/close (0 to 50 lbs pressure)
Lifting .................. 65 lbs at 18° (25 lbs at full extension)
Vertical reach .................. 109" w/ tracks down / arm extended
Horizontal reach .................. 56" from front of vehicle

Surveillance
» Colour Camera with Low Light switching Capability
» 72:1 extra low light color pan/tilt/zoom with full 360° continuous pan 180° tilt
» Auto/Manual Focus and Iris
» 80 watt adjustable halogen light with detachable IR lens
» Motorized camera extender

Arm
» Colour camera with Auto/Manual focus
» Manually adjustable tilt
» 80 watt adjustable halogen light
» Manual 72:1 Zoom

Optional Arm Pan & Tilt Camera

Front Drive
» B&W low light fixed focus; Auto Iris

Optional Weapons Camera and Laser Sighting Systems

Audio
» 2 Way Audio System with weatherproof speaker and microphone mounted on the robot

Electrical
7 Isolated firing circuits: 24VDC
Power Supply: 24VDC 35 amp-hr gel-cell battery pack

Operator Control Unit (required)
» Removable switchbox for direct connection to the robot
» 15" LCD monitor with daylight readable, Anti Glare Screen
» Picture in Picture display with camera selection switch
» Graphics display Vehicle and Console battery condition, Camera setup functions, and Sensor Feedback
» Video and audio output for event recording and optional head set display
» Joystick control for easy navigation
» Removable Key Firing Circuit System
» Heavy duty, portable, weather resistant
» Includes 50 amp-hr. 12VDC battery and 110VAC smart chargers/power supply
» Power Options: 50 amp-hr. 12 VDC battery with Charger, AD and DC Power Cords
» Microphone, speaker, and volume control
» 38 lbs, 10" x 23" x 18" (H/W/D)