

REMOTEC Andros Mark V-A1
Highly Versatile, Robust, All-Terrain Platform

Features

Colour Surveillance camera with light, 72:1 zoom, pan/tilt

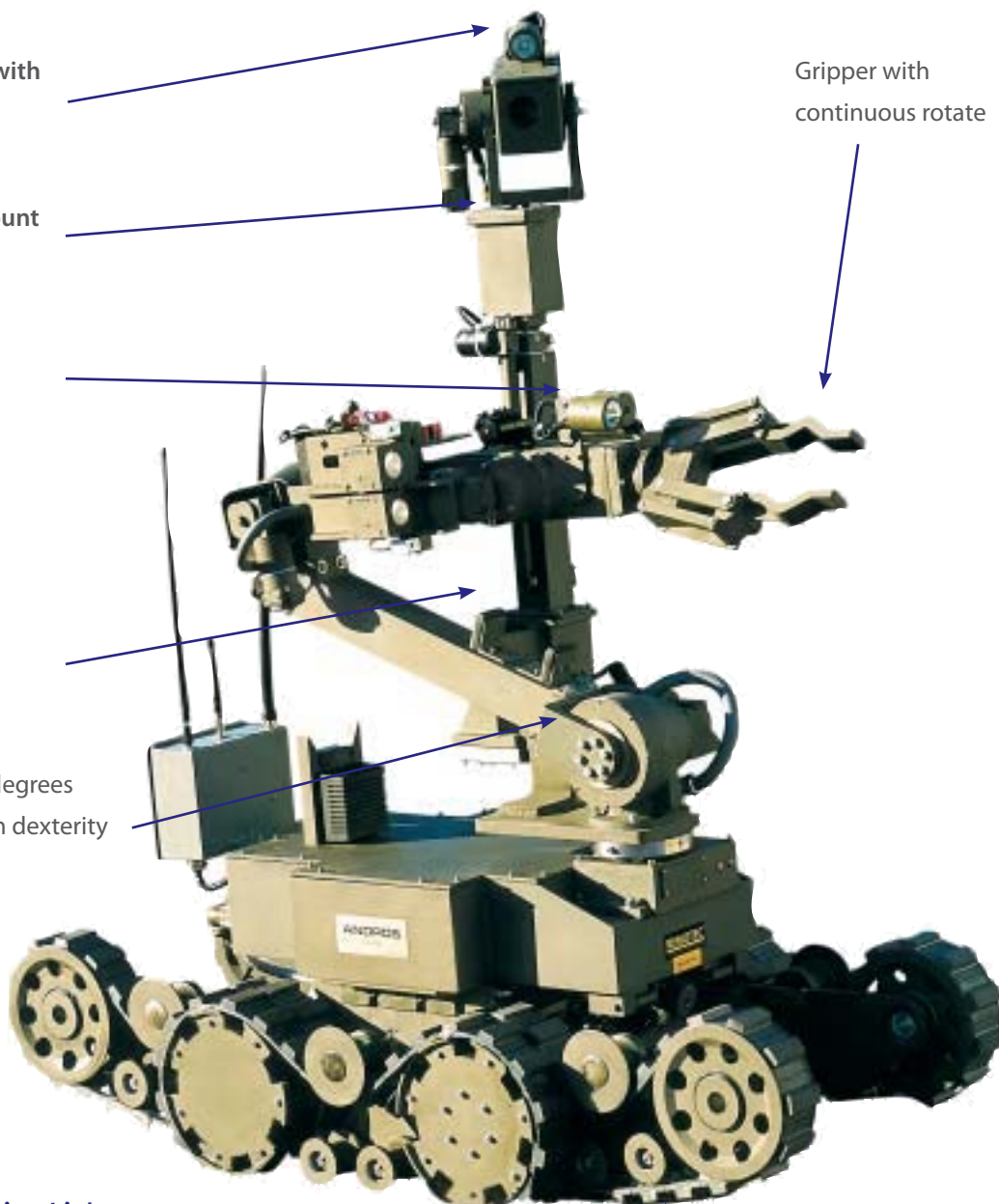
Quick disconnect camera mount

Multiple-mission tool/sensor mounts with plug and play capabilities

24-inch camera extender

Manipulator arm with seven degrees of freedom ensuring optimum dexterity

Gripper with continuous rotate



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 Mark V-A1

Dimensions

Height: 46.5", 72" with pan/tilt/zoom camera extended

Width: 43" or 28.5" without wheels

Length: 48"

Ground clearance: 5.3"

Weight: 790 lbs

Mobility

Method: Articulated tracks and quick release wheels

Slope: >45°

Speed: 0 to 3.5 mph

Traverse: Openings up to 24" and Obstacles up to 16" tall

Turning: Within the length of the vehicle

Manipulator

- » Variable speed control for precision
- » Dual sided, quick change accessory mounting system

Torso Rotate +/- 170° from center

Shoulder210°

Elbow210°

Wrist210°

Wrist extend8"

Grip rotate360° continuous

Gripper0" to 12" open/close
(0 to 50 lbs pressure)

Lifting100 lbs at 18"
(60 lbs at full extension)

Vertical reach125"

Horizontal reach67"

Surveillance

- » Colour Camera with Low Light switching capability
- » 72:1 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
- » Auto/Manual iris
- » Manually adjustable tilt
- » 80 watt adjustable halogen light
- » Manual 72:1 Zoom

Front Drive

- » B&W low light fixed focus; Auto Iris

Optional Weapons Camera and laser sighting systems available

Audio

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

Electrical

7 Isolated firing circuits: 24VDC

Power Supply: 24VDC – Two 65 amp-hr 12VDC spiral-cell batteries

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 charger/power supply
- » Microphone, speaker, and volume control
- » 38 lbs, 10" x 23" x 18" (H/W/D)

