

19 - 304

Exhibit A

Summit County Division of Public Safety is seeking bids for the purchase of a tactical robot for the Mansfield City Police/Richland County ASORT Unit. This unit is a Region 5 multi-jurisdictional SWAT department team that is in need of the robot to support both the Region and the 10 county METRICH region by enhancing the team's capabilities of high risk incident resolution. This equipment must possess the following criteria:

Minimum specifications:

Robot to include:

- **Robot to include:**

- **Dimensions:**

Width shall not be greater than 16"

Length shall be no longer than 25"

Height shall be no taller than 7"

- **Manipulator Arm:**

A five-axis robotic arm fitted with built-in camera to be easily mounted on the robot. The manipulator arm should include a built-in camera that can be viewed split screen with the robot's front drive camera, giving two views of the gripper. The manipulator arm has a lift capacity of 8 lbs. at full reach and 12 lbs. in close.

- **Universal Shock Tube Initiator:**

The robot should be capable of having a Universal Shock Tube Initiator mounted to the Manipulator Arm for firing a recoilless Percussion Actuated Non-Electric disruptor from the robot controller.

- **Tactical Deployment Backpack:**

A backpack that is capable of holding a robot, controller, chargers, batteries and antenna. Be able to hold the robot when it has the manipulator arm, and pan-tilt-zoom camera attached.

- High Angle Stabilizers:

Stabilizers that attach to the back of the robot and allow it to climb up over steep inclines, stairs and tall objects.

- Hitch and Trailer:

A flatbed trailer for towing cargo behind the robot. It has the ability to pull 30 lbs behind the robot on flat ground, can be pulled upstairs and can be detached remotely via the robot's controller.

-Audio/Video with Receiver:

Pan-tilt-zoom camera with 360-degree view. Camera should have color Infra-Red that allows the surveying of an area and zoom in (up to 100x) on objects of interest. A protective roll bar to keep the cameras from getting scratched or damaged.

An external audio/video receiver to allow view of the robot's audio/video feed remotely by hooking it up to a TV or monitor and should have a split screen function on the robot controller that allows for monitoring two different directions at the same time, one with the robots drive camera and another with the pan-tilt-zoom.

-Radio:

900MHz Radio

-Repeater:

A repeater to enhance the radio's range.