

# Bomb Robot – IED Disposal or Disarmament



Camera front and rear drive view

Cameras for robotic arm view

Robot

Improvised explosive devices (IEDs) are extremely dangerous and are an eminent and growing threat in international warfare as well as domestic security. The disposal or disarmament of IEDs has become a lethal requirement in today's political climate.



### Solution:

Three ruggedized CMOS cameras can be utilized in conjunction with a robot to remotely dispose or disarm IEDs.

The cameras have very fast frame rates, high resolution, low noise, wide dynamic range, and near-infrared sensitivity. This allows the robot operator to survey the IED and control the robot's mechanical arm to manipulate the IED.

The robot operator can control the robot at a distance using a wireless system thereby mitigating risk.

Wireless control of robot

