

# Robotic Applique Kit

## Spec Sheet

**Rugged and reliable kit built for tele-operation of mid-sized (Polaris Rangers, Skid Steers) and large platforms (Front Loaders, Dozers, etc.) removing the operator from the danger zone.**

ARA's applique kit provides remote control of platform steering, acceleration, braking, and implement control at safe standoff distances. A "virtual dashboard" at the operator control unit provides situational awareness to the operator, integrating up to eight cameras including one pan/tilt/zoom, as well as audio. The manual/remote switch allows the operator to quickly transition between the two operational modes.



### PHYSICAL SPECIFICATIONS

(tele-operation module)

Dimensions: 11.5"(L) x 10.8"(D) x 6.5"(H)

Weight: 9lbs

### COMMUNICATIONS & CONTROL

Data and Video over a 2.4GHz radio, 1W antenna, with 1 to 54Mbps up to 1000m LOS

Supports JAUS 3.2 and 4.0

COTS rugged laptop and Xbox controller

ARA's Common Controller (coming soon)

Supports CAN standards J1939 & OpenCAN

### PLATFORM INSTALLATION

Install in less than 30 minutes on CAN enabled platforms

Install in less than 2 days for non-CAN enabled platforms

### SAFETY & ENVIRONMENTAL SPECS

On-board and remote emergency stop

Remote emergency stop operates on dedicated 900MHz radio

Temperature Range: -40 to +70 Celsius

IP65 Rated

### ADD-ONS

ARA's Platform Adaptation Module (Integrates applique kit to platform specific interfaces)

ARA's Semi-Autonomous Module (Waypoint and Area Coverage, Obstacle Detection & Avoidance)

