

# telemax™ UGV SYSTEM PERFORMANCE UPGRADES

## UNLOCK THE FULL POTENTIAL OF YOUR TELEMATX UGV

We continually strive to improve our advanced ground robotics systems with the latest technology to meet the expanding needs of our customers, but we understand that purchasing new equipment can be cost prohibitive. Enhance the value of your telematx UGV by upgrading to the latest EVO System hardware and software to unlock advanced control, improved connectivity and increased productivity. This new performance upgrade includes Robo Command, an intuitive multi-touch screen operating controller, and a fully optimized radio system with integrated IP mesh radio. This feature ensures stable radio connectivity in complex urban environments with excellent network coverage and range that can be extended by using additional repeaters. The EVO upgrade also includes an advanced onboard CPU that will improve the UGV's system performance and functionality, increasing the robot's longevity to meet your needs today, tomorrow and beyond.

In addition to the technological developments, upgrading to the telematx EVO system unlocks multi-robot operation. Within a telematx robot fleet, the controller unit, the communication unit and the radio components are now interchangeable and all robots can be operated alternately via one Robo Command.

## EVO UPGRADE BENEFITS



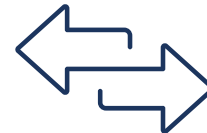
### ROBO COMMAND

Cutting edge control station allows a uniform operating concept for the EOD robot tEODor EVO and all of the telematx EVO family



### ADVANCED CONNECTIVITY IP MESH RADIO

Greater reliability and increased availability with higher performance and improved efficiency



### BACKWARDS, CROSS, FUTURE COMPATIBLE

Backwards compatible, cross compatible and, most importantly, future proof compatibility

- » Simplified intuitive controls
- » 1/3 size of legacy Pelican case
- » Compact and plugable design of electronics allows a fast and easy integration into a service vehicle
- » Dedicated wall power supply—can also run off a dedicated BB2590 lithium-ion rechargeable battery
- » Tablet-sized touch screen controller with 4 camera PiP/QuadView
- » High-Definition Multimedia Interface (HDMI) Output
- » Removable USB stick records video & static images, providing ease of review and secure chain of custody of the video as evidence
- » Displays network status on controller
- » Antennas mount to radio instead of extra cabling

- » Integrated 2-way audio
- » Optional repeaters can be added to extend range
- » Single radio for command & control along with video data
- » Modular radio design (quick release module) DTC Netnode or Persistent Systems MPU5
- » Transparent Ethernet option for sensor integration such as X-Ray and HAZMAT sensors

- » Accessory cameras
- » Repeaters as long as same DTC or MPU5 radio is used
- » Inspection camera
- » Multiblock
- » Energetic tools
- » RE 12g Mini, DemiMod, BENELLI M4 Super 90, PAN, LANCE, RE 70, NEEDLE, PROPARMS 20 RC, PROPARMS 29 RC, ABL 3000
- » 360-degree camera
- » HD pan-tilt-zoom camera with 30x optical zoom becomes an option for turret UCI port

BENEFITS

**WHY UPGRADE YOUR CURRENT TELEMATX UGV SYSTEM?**

- » *Higher Productivity: Improved performance will extend the functionality and life of your system*
- » *Improved Quality: Legacy equipment can be upgraded with improvements in security, reliability and performance*
- » *Cost: Provides a flexible and affordable path to transition to the latest technologies*
- » *Ease of Use: Our highest priority is to make our UGVs as intuitive as possible with our Robo Command Controller*
- » *Multi-Robot Operation: Enables interchangeability within a robot fleet—controller unit, communication unit and radio components*

UPGRADE TELEMATX TO TELEMATX EVO

DESCRIPTION	TELEMATX	TELEMATX EVO
<b>RADIO SYSTEM</b>	Digital and analog, RoboLAN, IP Mesh	IP Mesh radio (control data, video data and audio data, higher data rate, various options, e.g. use of repeaters)
<b>MODULAR RADIO MODULE</b>	✗	✓
<b>MULTI-TOUCH SCREEN</b>	✗	✓
<b>CONTROL</b>	Communication unit and control panel	Robo Command
<b>PTZ CAMERA IN HD QUALITY</b>	✗	✓
<b>OPTICAL ZOOM RANGE PTZ CAMERA</b>	18x	30x
<b>VIDEO RECORDER</b>	External	Integrated video recording
<b>VIDEO DISPLAY</b>	Picture-in-picture	Quad view
<b>2-WAY-AUDIO SYSTEM</b>	Optional	Integrated
<b>LIGHTING</b>	LED	White light LEDs and infrared LEDs
<b>SUN SHIELD</b>	External	Integrated in controller unit
<b>MULTI-ROBOT OPERATION</b>	✗	✓

CONTACT

**HERE'S HOW TO GET STARTED!**

Contact AV Business Development for more information and pricing // Email: [UGVsalesUS@avinc.com](mailto:UGVsalesUS@avinc.com)

Please provide the serial number of the robot you are upgrading. The serial number can be located on the back of the chassis in the right hand corner.