

telemax™ UGV

SYSTEM PERFORMANCE
UPGRADES



_Unlock the Full Potential of Your telemax 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 telemax 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 telemax EVO system unlocks multi-robot operation. Within a telemax 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 all of the telemax EVO family

- > Simplified intuitive controls
- > 1/3 size of legacy Pelican case
- > Compact and modular 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



Advanced Connectivity - IP Mesh Radio

Greater reliability and increased availability with higher performance and improved efficiency

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



Backwards, Cross, Future Compatible

Supports multi-generational operation, though some legacy functionality may be limited.

- > Accessory cameras
- > 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 option for turret UCI port
- > HD pan-tilt-zoom camera with 30x optical zoom option for turret UCI port

_Why Upgrade Your Current telemax 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

_Specifications

	TELEMAX	TELEMAX EVO
RADIO SYSTEM	Digital and analog, RoboLAN, IP Mesh	IP Mesh radio)
PTZ CAMERA IN HD QUALITY	No	Yes
OPTICAL ZOOM RANGE PTZ CAMERA	18x	30x
VIDEO RECORDER	External	Integrated video recording
VIDEO DISPLAY	Picture-in-picture	Quad view
2-WAY AUDIO SYSTEM	Optional	Integrated
LIGHTING	LED	White light LEDs and Infrared LEDs
SUN SHIELD	External	Integrated controller unit
MULTI-ROBOT OPERATION	No	Yes

_Here's How to Get Started

Contact AV Business Development for more information and pricing.
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.

