



Emesent Hovermap Accessories

Industry-leading versatility



Emesent RTK Backpack

Hovermap Backpack RTK brings RTK scanning to Hovermap ST/ST-X in areas where walking is the preferred access method. RTK data added to point clouds provides georeferenced datasets with greater accuracy achieved through active SLAM drift correction.

A spacer pole and solid mounting point is provided to attach a GNSS RTK Receiver in an elevated position with clear-sky view for optimum positioning data. The hardshell backpack doubles as a sturdy protective case when not in use, with space for Hovermap ST/ST-X, Emlid RS2/2+/3 RTK receiver, 2x Nano-slim 98Wh batteries and charger, GoPro Hero Max for 360 Colorization, and associated cables.

Kit Includes:

- Backpack RTK with 100mm spacer GNSS receiver.
- Power & Serial cable for Hovermap ST/ST-X
- RTK cable for preferred GNSS
- Compatible with Emlid RS2/2+/3, Trimble R10/R12/R12i and Leica GS18/GS18I/GS18T

Note: GNSS Receiver, batteries, charger and GoPro Hero Max are not included in this kit - available for separate purchase

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Emesent Vehicle RTK Mount

Hovermap Vehicle RTK Kit allows a Hovermap ST/ST-X to be mounted onto vehicles using either the provided magnetic feet or vacuum suction cups.

The unit includes integrated power supply via a v-mount battery mount located on the underside. An elevated spacer pole the GNSS Receiver to be mounted in a position with clear-sky view for improved positioning data. RTK data added to point clouds provides georeferenced datasets with greater accuracy achieved through active SLAM drift correction.

Kit Includes:

- Vehicle RTK with 100mm spacer for GNSS receiver
- 350mm Power and Data Cable, Fischer to Fischer, for Hovermap ST/ST-X
- RTK cable and dongle for preferred GNSS receiver
- Compatible with Emlid RS2/2+/3, Trimble R10/R12/R12i and Leica GS18/GS18I/GS18T

Note: GNSS Receiver, batteries, charger and GoPro Hero Max are not included in this kit - available for separate purchase

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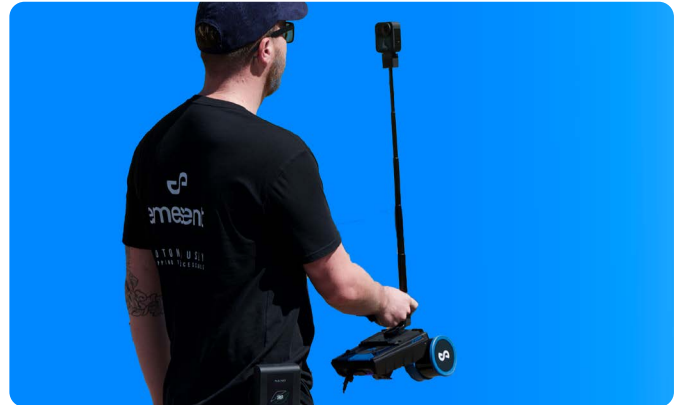
GoPro 360 Colorization

Kit to enable 360 colorization directly mounted onto Hovermap ST/ST-X using the GoPro Hero Max camera (included).

Kit Includes:

- GoPro Hero Max 360 Camera
- Aluminum 360 GoPro Camera Mount for Hovermap ST/ST-X
- Micro SD Card 128 GB for GoPro with Adapter
- M3 x 10mm Countersunk mounting screws

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GoPro360 Image Extract

360 imaging solution for Hovermap 100, ST and ST-X.

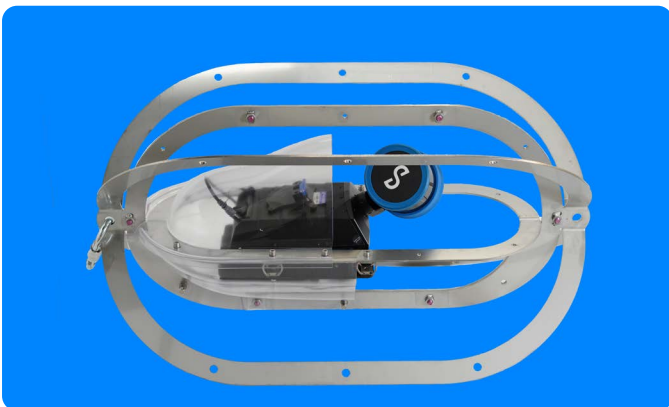
A telescoping 360 camera kit easily attachable to the standard Hovermap handle for handheld scanning. Includes a GoPro Max 360 camera and extendable 70cm pole to enable the capture of 360 images which are geolocated during processing and viewable within point cloud maps using third-party software such as Pointerra, Cintoo and Bentley iTwin.

GoPro Assembly included.

Note, Upcoming Features:

- * Not currently compatible with viewing in Emesent Aura
- * Handheld Image Kit does not enable 360 colorization
- * Requires activation of Aura Module - Colorization

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Emesent Hovermap Cage

Stainless Steel Cage for Hovermap ST (includes cage, isolation mounts, carbon fiber plate, dovetail mount, plastic rear cover, battery adapter with power lead, cable Fisher/D-Tap) *Without battery

Compatible with cables and connectors for Hovermap ST/ST-X

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Hovermap GCP 250mm & 500mm

Stainless steel reflective discs, 25cm diameter, 3M Class 1 Diamond Grade White Reflective Film on one side.

Available in 250mm and 500mm diameter. SPAD and Spigot mounted options also available.

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Long Range Radio

Emesent's Long Range Radio (LRR) system easily attaches to Hovermap ST/ST-X providing extended data connectivity range.

Kit Includes:

- -LRR Pair (Airside & Groundside) - 2.4GHz - Australian, United States and Canadian Market - 1W Power
- LRR Groundside Battery
- Belt Clip for Groundside radio
- 2mm Hex Short Arm Wrench
- Antennas for Airside and Groundside radios (including 2x TNC to SMA adapters)
- Packaging Case

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Emlid RS2+/RS3

Emlid Reach RS2+ is a versatile GNSS receiver able to be used as a local Base or roving unit. Ability to connect to CORS network allows high global accuracy to be achieved when 4G connectivity or Wifi access is available.

Suitable for use with Emesent Hovermap supported systems RTK plus future RTK collection products. It offers centimeter-level accuracy in both RTK and PPK mode, has a battery life of up to 22 hours.

Kit contains:

- Emlid Reach RS2+
- LoRa antenna
- USB cable
- Carrying case
- Emlid Flow app (free download)

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Telescopic pole

A 2.1m telescopic pole with dovetail attachment and extended cable to assist with mapping hard to access areas. Includes dovetail attachment, payload tether, extension power cable and mini v mount battery belt clip.

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