

ULTRA LOW DRIFT | COLOURISED | MOBILE | ACCURATE
THE BEST IN-CLASS SLAM SYSTEM FOR ROAD CAPTURE





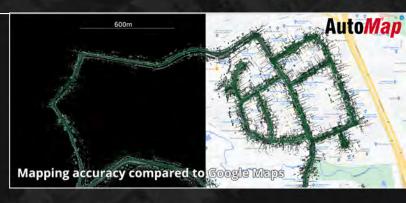
LARGE SCALE GLOBALLY ACCURATE SCANS IN MINUTES

Introducing the VellusX by AutoMap. VellusX is designed to capture city-scape, urban streetscapes and large outdoor environments that are otherwise very difficult and time consuming to scan. Travel at driving speeds to capture dense models in full-hd colour. We now also support 360 degree video.

Built with the CSIRO's prize winning WildcatSLAM odometry engine, the VellusX has been vigorously tested in a wide variety of survey applications. The VellusX is the only available SLAM solution to produce globally accurate maps using PPK GPS. Download base station rinex files to retrospectively realign the SLAM maps on-device using a seamless workflow. Gone are the days of having to use Survey Control to gaurantee mobile SLAM accuracy.

POWERED BY WILDCAT SLAM

Get incredible results from a compact form factor with the AutoMap VellusX. Walk or drive longer distances to capture accurate survey map data, aided by RTK or PPK GPS. A automatic processing pipeline automatically adjusts sensor weights to maintain global accuracy over a wide array of applications. Seamlessly transition between GPS available and GPS denied spaces to create sharp and accurate 3d maps.





SENSOR SPECIFICATIONS

300m **RANGE** Las or PLY **FILE TYPE** IP 65 **IP RATING** Real-time **OPERATION** 3.7kg **WEIGHT**

4k Colour Cameras **CAMERAS** 360 Degrees **FIELD OF VIEW** Rotating Hesai XT32-M2

LIDAR 10mm LOCAL RESOLUTION

1 800 000 (triple return mode) POINTS/SECOND

12-36 Vdc **POWER**

800 Channel RTK and PPK Receiver **GPS**

TERMINAL SPECIFICATIONS

SIZE 11.6" FullHD 1080p **INTERFACE** Touch Screen

WIFI 802.11 abgn

SSD 2Tb **RAM** 32Gb

GRAPHICS 512-Core Volta GPU CPU 8-core ARM 64-bit

POWER 12-42Vdc





