

VellusX

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



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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 guarantee 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

RANGE	300m
FILE TYPE	Las or PLY
IP RATING	IP 65
OPERATION	Real-time
WEIGHT	3.7kg
CAMERAS	4k Colour Cameras
FIELD OF VIEW	360 Degrees
LIDAR	Rotating Hesai XT32-M2
LOCAL RESOLUTION	10mm
POINTS/SECOND	1 800 000 (triple return mode)
POWER	12-36 Vdc
GPS	800 Channel RTK and PPK Receiver

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



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