



CAMERA SYSTEM

SPECIFICATIONS
2017



CAMERA

Number of sensors	6
Sensor resolution	5 MP
Sensor size	2560 x 1920 pixel
Image format	jpg
Frame rate	7 fps
Field of view	360 x 160 degree. All but the car's rooftop.
Release modes	Distance, interval, manually, POI (Point of Interest)
Streetview log	Image number, Latitude, Longitude, Altitude, Heading, GPS date and time. Pitch, Roll, speed. Number of satellites, GNSS fix, HDOP, VDOP, etc.
Track log	Extra track recorded at 20 Hz.
Binary log	All data the GPS device provides.
Data capacity	Swappable SSD. Capacities: 120GB to 1TB
Recording Capacity	Each data-set is about 4MB. The 120GB SSD lasts for 30,000 streetviews. The 1TB SSD lasts for 250.000 streetviews. With Distance release mode set to 5 meters: <ul style="list-style-type: none"> - 120GB SSD lasts for 120km. - 1TB SSD lasts for 1000 km.

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CAMERA cont.

Power supply	12 Volt DC
Remote Control	Via WIFI by Android App on the included tablet
Mount	Magnetic Car Mount is included.
Exposure	Automatic exposure
White balance	Automatic white balance
Gain	Automatic gain
Color	White with black heat sinks
Camera Dimensions	Height: 40 cm, Diameter: 18 cm
Camera Weight	1.8 kg (without battery)
Sensors	6 Aptina MT9P031, 5MP each
Lenses	6 fisheye lenses, f2.8, fixed focus
Lens protection	6 screw-on UV filters. Easy to clean and replace.
Heat dissipation	2 large heat-sinks and an internal fan.

GPS Module	Advanced Navigation Spatial
GPS receiver	u-blox M8
Supported Navigation Systems	GPS, GLONASS, BaiDou, Galileo
Supported SBAS Systems	WAAS, EGNOS, MSAS, GAGAN, QZSS
GPS enhancement	OBD2 wheel sensor (optional)
GPS accuracy	Horizontal Position Accuracy with DGNSS: 0.6 m
	Vertical Position Accuracy with DGNSS: 1 m
Max recording speed	110 km/h

Processing program “Creator”

Processing capacity	50000 panoramas per day. This includes the multi-resolution tiles for the player.
Operating systems	Windows 7, 8, 10. 64-bit.
Streetview Projection	Equirectangular
Streetview size	8192 x 4096 pixel
Streetview FOV	360 x 160 degree. All but the car's rooftop.
Streetview format	jpg
Leveling modes	Auto-leveling, no leveling, static.
Meta-data	Your Copyright, local recording date and time, Latitude, Longitude, Altitude, Direction, GPS Date, GPS Time.
Main Features	<ul style="list-style-type: none"> Project management Tour management 2-screen mode for Creator and streetview view at the same time Visualization on map Manual editing Automatic duplicate removing Automatic leveling Player configuration Player preview Creation of web-player Creation of Android Offline Player Automatic processing Working Player.



APPLIED
STREETVIEW

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