



MOBILE
MAPPING

imajbox®

The simplest range of mobile mapping systems ever seen.

imajbox® is a compact and portable mobile mapping system designed for high speed and massive geo referenced data collection along transportation and linear networks.



Accurate

Proprietary algorithms to process the sensors' raw data for the continuous and accurate spatial positioning.



Simple

Independent, stand-alone and autocalibrated. No wiring required.



Productive

Survey at high speeds for large scale data collection.



Connected

Controlled by Wi-Fi and connectors for external sensors integration.



Adjustable

Easy to mount and adjust in all directions without having to calibrate.



ACCURACY MADE EASY.

Mounted on cars, trucks or trains, imajbox® can survey from a few to thousands of kilometers.

Punctual, recurrent or nationwide projects, imajbox® is the perfect tool to survey a network, thus having up-to-date data.

A solution to many problems:

- GIS and mapping
- Infrastructure assessment
- Engineering studies
- Linear Referencing System
- Maintenance management
- Work control
- Planning and budgeting
- Smart cities

INERTIAL MOVEMENT UNIT (IMU)

DX3

Gyroscopes:

Dynamic range: $\pm 280^\circ/s$
 In-run bias stability: $12^\circ/hr$
 Angular random walk: $0.56/\sqrt{hr}$

Accelerometers:

Dynamic range: $\pm 5g$
 In-run bias stability: $0,25mg$
 Velocity random walk: $0.073m/sec/\sqrt{hr}$

DX4

Gyroscopes:

Dynamic range: $\pm 480^\circ/s$
 In-run bias stability: $6.25^\circ/hr$
 Angular random walk: $0.3/\sqrt{hr}$

Accelerometers:

Dynamic range: $\pm 18g$
 In-run bias stability: $0,1mg$
 Velocity random walk: $0.029m/sec/\sqrt{hr}$

ALL-INCLUDED PACKAGE

- Delivered in a fly case including the unit, the car roof mounting system, external power supply cables and post-processing softwares.



SPECIFICATIONS	3SX	3SX+	3TX+	360	
CMOS global shutter image sensor	8,9 MPX			30MPX	
Resolution <small>*(Cropped for high speed: 2816x2160)</small>	4096 x 2160 pixels		4096 x 2160* pixels	8192x4096 pixels	
HFOV	100°			360°	
Maximum frame rate (full resolution) <small>*High speed mode: 17fps</small>	10fps		17fps*	10fps	
IMU 6 axis (details on the left)	DX3		DX4		
Real time GNSS (NTRIP corrections)					
Standalone	●		●		
SBAS			●		
DGNSS	●		●		
RTK	●		●		
Post Processed GNSS (RINEX corrections)					
Standalone			●		
SBAS			●		
DGNSS			●		
PPK			●		
GNSS tracked frequencies					
GPS	L1C/A, L2C		L1, L2, L5		
GLONASS	L10F, L20F		L1, L2, L3		
Galileo	E1, E5b		E1, E5a, E5b, AltBoc		
BeiDou	B1, B2		B1, B2		
SBAS			EGNOS, WAAS, GAGAN, MSAS, SDCM (L1, L5)		
QZSS	L1C/A, L2C		L1, L2, L5		
Positioning platform (DRMS)					
Accuracy X, Y	0,1m	0,05m	0,01m		
Accuracy Z	0,3m	0,2m	0,02m		
Internal SSD	128GB		512GB	1TB	
Application	Road		Road / Rail		
Maximum speed	180 km/h		300 km/h	130 km/h	
HARDWARE	Housing	Plastic	Aluminium		
	Weight	2 kg	3 kg	11 kg	
	Size	17,5x16,5x14,5 cm			36x36x52cm
	Connectivity	USB 3 / Ethernet / Wi-Fi host (for web remote control) Wi-Fi client (for corrections)			
	Operational limits	-10°C to +40°C			
	Protection level	IP 65			
	Internal battery	3 hours			2 hours
	Power supply	12 V / A			
SOFTWARE	Desktop software (not included)	imajview® 4 & 5			imajview®5
	Included post processing softwares				
	imajing browser	●	●	●	●
	Kinematic post processing module (PPK)			●	optional
	imajing InertialVision fusion algorithms	●	●	●	●
imajing 3D Pro	●	●	●		