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 transporation and linear networks.

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

Simple
Independant, all-in-one, standalone and autocalibrated. No wiring required.

Productive
High speed survey for a large scale data collection.

Connected
Controlled by WiFi and connectors for external sensors integration.

Adjustable
Easily mounted in every orientations with the tripod's succion pads.

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 response to many needs:

- 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: ± 280°/s
In-run bias stability: 12°/hr
Angular random walk: 0.56/√ hr

Accelerometers:
Dynamic range: ± 5g
In-run bias stability: 0,25mg
Velocity random walk: 0.073m/sec/√ hr

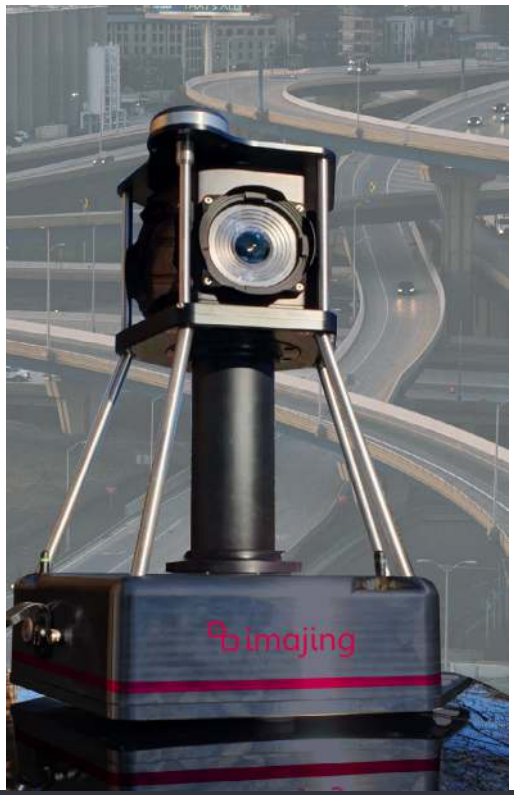
DX4

Gyroscopes:
Dynamic range: ± 480°/s
In-run bias stability: 6.25°/hr
Angular random walk: 0.3/√ hr

Accelerometers:
Dynamic range: ± 18g
In-run bias stability: 0,1mg
Velocity random walk: 0.029m/sec/√ 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 *(Cropped for high speed: 2816x2160)*	4096 x 2160 pixels		4096 x 2160* pixels	8192x4096 pixels
HFOV	100°			360°
Maximum frame rate (full resolution) *High speed mode: 17fps	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	L1, L2		L1, L2, L5	
GLONASS	L1, L2		L1, L2, L3	
Galileo	E1, E5		E1, E5a, E5b, AltBoc	
BeiDou	B1, B2		B1, B2	
SBAS			EGNOS, WAAS, GAGAN, MSAS, SDCM (L1, L5)	
QZSS	L1, L2		L1, L2, L5	
Positionning 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	130 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)			●	●
imajing InertialVision fusion algorithms	●	●	●	●
imajing 3D Pro	●	●	●	