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DATA SHEET

June 2020

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Lifting system for vehicle roof



Lifting system for any brand and type of terrestrial laser scanner.

Smart Lift Roof has been created in order to take advantages of the Level-Plane 16R or 16B in land, infrastructural, architectural and structural surveying.

It is composed of an electrical and mechanical system (max 1.40 m height), a support plate for Level-Plane 16R or 16B and a solid frame that allows mounting on the roof rack of any vehicle. The system is made from anodized aluminum.



By using Smart Lift Roof combined with Level-Plane 16R or 16B and raising the 3D Laser Scanner gripping point it's possible to obtain:

- significant increase of measurement range
- decrease of the scanning sessions number
- saving of surveying time
- more detailed scans by cutting out balcony shadows, trays of windows and high parts, not visible from the ground
- improving measurement quality due to the increased verticality of the gripping point



TECHNICAL DATA

- Dimensions closed system 132 x 40 x h. 40 cm
- Extended pole height 1,40 mt (with LP16 1,70)
- Maximum load 35 kg
- Weight 31 Kg
- Electrical engines 1
- Radio and Manual Controller
- Power supply 12V 16A
- Temperature limit for use of the equipment - 45° C + 50° C
- Temperature limit for the storage of equipment - 50° C + 80° C

(LP16R or LP16B not included)



Smart Lift Roof

Composed of

SLR	Lift Roof with Aluminium frame
STA	Roof bar brackets
SRC	Radio Controller
CLR	Connecting cable from LP16 to SLR
CPC	Power Cable with connection to the car-lighter
PCP	Support plate for LP16
QBK	Quick Bracket
BMA	Soft bag for accessories

(LP16R or LP16B not included)

Part number **SLR**

**Smart Lift Roof
can be used with any 3D
Laser Scanner brand !**