



CE
LEVEL-LIFT ROOF

www.scan-go.eu

DATA SHEET

January 2019

SCAN&GO srl
Via della Tecnica 34 A/B - 41051
Castelnuovo Rangone (MO) - Italy
Cell. +39 3924627285
info@scan-go.eu

Lifting extensible system for vehicle roof



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

It's composed of 4 pneumatic extensible segments (max 3.00 m height), a support plate for Level-Plane 16R and a solid frame that allows mounting on the roof rack of any vehicle. The system is made from anodized aluminum.

Once the engine of the vehicle is off and the pole fully extended the system remains firm and stable during the scan session.

Example:



By using Level-Lift Roof combined with Level-Plane 16R 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 125 x 48 x h. 35 cm
- Extended pole height 3,00 mt
- Extensions 4
- Maximum load 45 kg
- Weight 55 Kg
- Power supply 12V 16A (maximum absorption load of the air compressor)
- Maximum operating limit of recovery slope of the ground in the longitudinal axis of the vehicle (direction of travel) with vertical pole without extensions opened Total 20° of which 0° +10° e 0° -10°
- Maximum operating limit of recovery slope of the ground along the perpendicular axis to the vehicle (transverse to the direction of travel) Total 20° of which 0° +/- 10°
- Temperature limit for use of the equipment - 15° C + 40° C
- Temperature limit for the storage of equipment - 30° C + 50° C

Details



Plate for
Level-Plane 16R



Two electric motors



Power source
and control
connections



Aluminium frame and
brackets for roof bars

Accessories



Level-Lift Roof

Composed of

LLR	Level-Lift Roof with Aluminium frame
STA	Roof bar brackets
RCC	LLR Cable Controller
CLR	Connecting cable from LP16R to LLR
CPC	Power cable
PCP	Support plate
BMA	Soft bag for accessories

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