

HYDRA-G	
TECHNICAL SPECIFICATIONS	
Accuracy <sup>(1)</sup>	< 0.1mm (Line of Sight displacement)
Spatial Resolution	Range 0.2 m, Azimuth: 8 mrad @10 m, 0.2 m by 0.08 m @100 m, 0.2 m by 0.80 m @500 m, 0.2 m by 4.00 m
Max Operating Range	800 m
Field of view	Up to 120° (Horizontal) x 30° (Vertical)
Operating Temperature	-20°C to +55°C
Acquisition Time Interval	30sec – 2 min
Power Consumption	100 W
Supply	110/220 V AC - 12/24 V DC
Supply Autonomy	2 hours without mains power
Environment	IP65
SOFTWARE SPECIFICATIONS	
<b>HYDRA Controller</b> Acquisition & system management software	Acquisition configuration and management Status information Preliminary data processing
<b>HYDRA Guardian</b> Real time processing, data interpretation & early warning software	Automatic atmospheric correction Alarm generation with user defined levels Multiple alarm criteria based on area definition Email and SMS alarm forwarding 3D interactive data handling Output exportation to external software (CAD/GIS) External DTM importation

<p><b>SurfScan</b> 3D building monitoring software</p>	<p>Customizable scanned area selection</p> <p>Point mapping over camera picture for easy data interpretation</p> <p>Quick campaign set-up procedure</p> <p>Flexible time series analysis panel for both real-time and post campaign analysis and reporting</p> <p>Easy report generation</p>
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(1) Typical instrumental accuracy not considering environmental effect. The accuracy is measured as Line of Sight displacement standard deviation evaluated in one hour assuming a stable reference target providing a Signal to Noise Ratio (SNR) better than 20dB.