Stream UP
The easiest way to capture underground utility assets

Flying, Agile, Smart, Timely, Easy to Use, Reliable.
FASTER than anything else.

IDS GeoRadar: The leader in multi-frequency and multi-channel Ground Penetrating Radar
www.idsgeoradar.com
Stream UP is a multi-channel, multi-frequency, double-polarized and lightweight GPR system dedicated to utility mapping on extensive areas that facilitates the whole mapping process (before, during and after the acquisition).

**EASY IN ASSEMBLING**

The system is easily stackable and can be carried even on the acquisition vehicle thanks to its compactness that increase its transportability. Stream UP is easy to assemble and can be moved to the survey location without any speed limit (only 2 people needed for transportation, assembly and just one person to make it operational).

Easier than ever to assemble and to transport!

**SUSPENDED IN DATA ACQUISITION**

Stream UP is able to operate in urban environment with high speed (suggested speed is up to 60 km/h), without a bulky vehicle and ground contact. Thanks to new Control Unit eDAD-S, dense array antennas and dynamic stacking, data quality has been maintained excellent even at high speed.

Furthermore, the innovative suspended modular frame is safer than ever thanks to shell structure and embedded anti-collision system. Stream UP is compliant with traffic regulations and there is no need for an escort vehicle.

**INNOVATIVE IN DATA PROCESSING**

With IQMaps machine time has been reduced, real-time processing and 3D visualization introduced. It provides a step by step approach to guide the user in performing the best and the quickest data analysis with the help of a customizable processing and analysis tool, both for skilled and not skilled users.
FEATURES AND BENEFITS

Modular Structure and light shell: logistics facilitated thanks to easiness in assembly and transportation

Raised by the ground: the total absence of contact with the ground dramatically reduces the stress and consequently maintenance

Faster acquisition speed: Stream UP acquisition speed and data quality higher than ever with the new control unit eDAD-S

Multi-frequency and double-polarization: Standard architecture and double polarization of the whole Stream family have been improved

Remote controlled: connection between Stream UP and the driver is fully wireless and managed by uMap, the brand-new acquisition software for large scale projects that allows to be always georeferenced thanks to real-time GPS and cartographic maps

Approved by traffic laws: Even in transportation configuration the speed is not limited by system needs but only refers to traffic regulations

SYSTEM SPECIFICATIONS

<table>
<thead>
<tr>
<th>OVERALL WEIGHT</th>
<th>95 kg [209.44 lb]</th>
<th>POSITIONING</th>
<th>GNSS, RTK, TPS</th>
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</thead>
<tbody>
<tr>
<td>RECOMMENDED LAPTOP</td>
<td>Panasonic FZ55</td>
<td>NUMBER OF CONTROL UNITS</td>
<td>10 array modules + 1 Supply Control Unit</td>
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<tr>
<td>SUGGESTED ACQUISITION SPEED</td>
<td>Up to 60 km/h [37.3 mph]</td>
<td>MAXIMUM ACQUISITION SPEED</td>
<td>Up to 150 km/h [93.2 mph]</td>
</tr>
<tr>
<td>POWER CONSUMPTION</td>
<td>65 W (during acquisition)</td>
<td>POWER SUPPLY</td>
<td>12V car or external battery</td>
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<tr>
<td>RADAR COVERAGE</td>
<td>1.58 m [5.18 ft]</td>
<td>SYSTEM SIZE</td>
<td>1775 x 429 x 786 mm [69.9 x 16.9 x 30.9 in]</td>
</tr>
<tr>
<td>TOW BALL</td>
<td>50 mm ISO Standard</td>
<td>WATERPROOFING</td>
<td>IP65</td>
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<tr>
<td>SCAN RATE</td>
<td>9,230 scan/s @512 sample/scan</td>
<td>CONNECTOR TYPE</td>
<td>13-pin connector</td>
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