**Mitsubishi Mobile Mapping System “MMS”**

**MMS-G**

<table>
<thead>
<tr>
<th>Item</th>
<th>Standard Package</th>
<th>Option</th>
</tr>
</thead>
<tbody>
<tr>
<td><strong>High sensitivity camera</strong></td>
<td></td>
<td></td>
</tr>
<tr>
<td>Units</td>
<td>3</td>
<td>+1 (std or panoramic)</td>
</tr>
<tr>
<td>Pixels</td>
<td>5 million pixels (standard)</td>
<td>12 million pixels (high-resolution)</td>
</tr>
<tr>
<td><strong>Laser scanner</strong></td>
<td></td>
<td></td>
</tr>
<tr>
<td>Units</td>
<td>1 (high-density/long range)</td>
<td></td>
</tr>
<tr>
<td>Angle setting</td>
<td>45° or 90°</td>
<td></td>
</tr>
<tr>
<td>Acquisition points</td>
<td>1 million/s</td>
<td></td>
</tr>
<tr>
<td>Max. range</td>
<td>119m</td>
<td></td>
</tr>
<tr>
<td>Viewing angle</td>
<td>360°</td>
<td></td>
</tr>
<tr>
<td><strong>Storage capability</strong></td>
<td></td>
<td></td>
</tr>
<tr>
<td>Data log</td>
<td>2TB (5M camera)</td>
<td>4TB (12M camera)</td>
</tr>
<tr>
<td><strong>GNSS compatibility</strong></td>
<td></td>
<td></td>
</tr>
<tr>
<td>GPS, GLONASS, Galileo</td>
<td></td>
<td></td>
</tr>
<tr>
<td><strong>Typical accuracy</strong></td>
<td>2.0cm (rms)</td>
<td></td>
</tr>
<tr>
<td><strong>Power consumption</strong></td>
<td>550W or less</td>
<td></td>
</tr>
<tr>
<td><strong>Installation</strong></td>
<td>Less than 30 min. by 2 persons</td>
<td></td>
</tr>
<tr>
<td><strong>No. of connecting wires</strong></td>
<td>4 (power supply×2, LAN×1, odometer×1)</td>
<td></td>
</tr>
<tr>
<td><strong>Weight</strong></td>
<td>55kg or less</td>
<td></td>
</tr>
</tbody>
</table>

*1 Open sky, no GCP correction, horizontal accuracy of laser point cloud, base line approximately 3km
*2 Operable without odometer
Mitsubishi Mobile Mapping System “MMS”

Operation Display

Sensor conditions
(Confirm condition of sensors and data logging)

Accuracy estimate
(Shows trend of data accuracy in real time to indicate any excess faults)

GNSS monitor
(Skyplot visualization)

Camera setting
(Able to preset or adjust in real-time)

Sub-window
(Visualizes each camera image simultaneously)

Post Process System

List of all data
Select data and Process

“Process all” button

Point cloud creation
Colorization to point cloud

Performance

Point Cloud Accuracy
Comparison with surveyed Reference Points at the curb stone alongside the road*

Image of Highly Sensitive Camera

Mitsubishi MMS
Process time
Other MMS
Positioning process
30min for 10km data
Process STRAIGHT THROUGH by post process developed as Mitsubishi-unique system
Point cloud creation
10min for 10km data
Colorization to point cloud
3 hours for 10km data

Highly Sensitive Camera
General Camera

Road Sign (Speed: 40km/h)

Cross Road (Speed: ~10km/h)

Contact:
High-precision Positioning System Dept.
TEL: +81-3-3218-9646
E-Mail: iss.lbs@nt.mitsubishelectric.co.jp

* in open-sky (GNSS available) condition

MITSUBISHI ELECTRIC CORPORATION
HEAD OFFICE: TOKYO BLDG., 2-7-3 MARUNOUCHI, CHIYODA-KU, TOKYO 100-8310, JAPAN
www.MitsubishiElectric.com

Specifications are subject to change without notice.