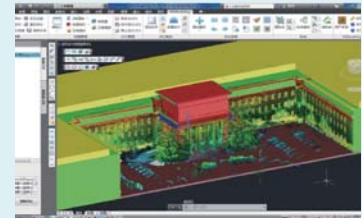## Post-processing Software

Hi-Target uses powerful technical strength to research and develop not only hardware but also software system including point cloud processing software, digital mapping software, 3D modeling software, 3D imaging software, database foundation software and so on.

HD PtCloud Modeling
- Supports different point cloud rendering mode and data viewing mode
- Provides point cloud editing, cutting processing, arbitrary view single slice and multiple slice and section management
- Supports automatic fitting plane, line and cylinder, cylinder elbow, etc.
- Supports third-party modeling software data importing and exporting
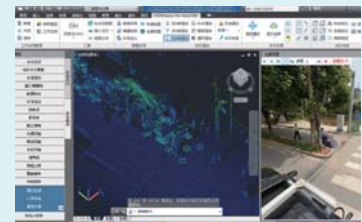
HD PtCloud Vector for AutoCAD/ArcGIS
- Supports digital symbol mapping, point, line, face feature elements extracting
- Provides map symbol library and user-defined map symbol
- Provides point cloud rendering, editing, automatic filtering and density adjustment

HD PtCloud StreetView
- Supports quick editing site of adjacency relations, and establishes a panoramic site of topological relationships
- Supports adding and editing panoramic jump direction message (road signs, etc.)
- Supports extracting patches automatically, and supports indoor 3D patches occlusions detection automatically
- Marks view point and interest points in the panorama, and displays real application mark information
- Provides one-click publishing of real application

HD MapCloud RealVision
- Smooth convenient navigation browsing and live jumping, zoom-in, zoom-out and moving
- Supports and 2D scenario map matching and small map joint jump scene
- Supports choosing patches by mouse, and achieves jumping based on patches; supports measurement on the panoramic
- Supports real-time load text, images, audio, video and other labeling information
- Supports Android/IOS mobile terminal 3D imaging and browsing

HD MapCloud 3DVirtual
- Supports loading seamless 3D model, supports the desktop with two kinds of virtual 3D browsing the Internet B/S mode
- Provides convenient and immersive virtual 3D roaming browsing experience, and roaming browsing supports arbitrary angle direction
- Supports the first and the third person flight browsing mode
- Supports 3D scene effect (sunshine, rain, snow, fog, etc.) analog switch audio, video and other labeling information
- Supports Android/IOS mobile terminal 3D imaging and browsing

Specifications

Type		HiScan-C SU1	HiScan-C SU2
Number of Scanners		Single laser	Dual laser
Measurement Range		Up to 650m	Up to 650m
Measurement Rate		Up to 500, 000 points per second	Up to 1, 000, 000 points per second
Scanning Angular Resolution		0.001°	0.001°
Scanning Angle		360°	360°
Panoramic Resolution	iView	75 million pixels	75 million pixels
	Ladybug5	30 million pixels	30 million pixels
Accuracy		5cm@100m	5cm@100m
Scan Rate		Up to 200Hz	Up to 2X200Hz
Weight		15kg	25kg

HI·TARGET
Surveying the World, Mapping the Future.

HiScan-c
Highly Integrated Solution

- Fully calibrated from factory, further calibration unnecessary
- Highly matched point cloud and panorama images
- Easy to be mounted on any vehicle
- High-density, high-accuracy point cloud
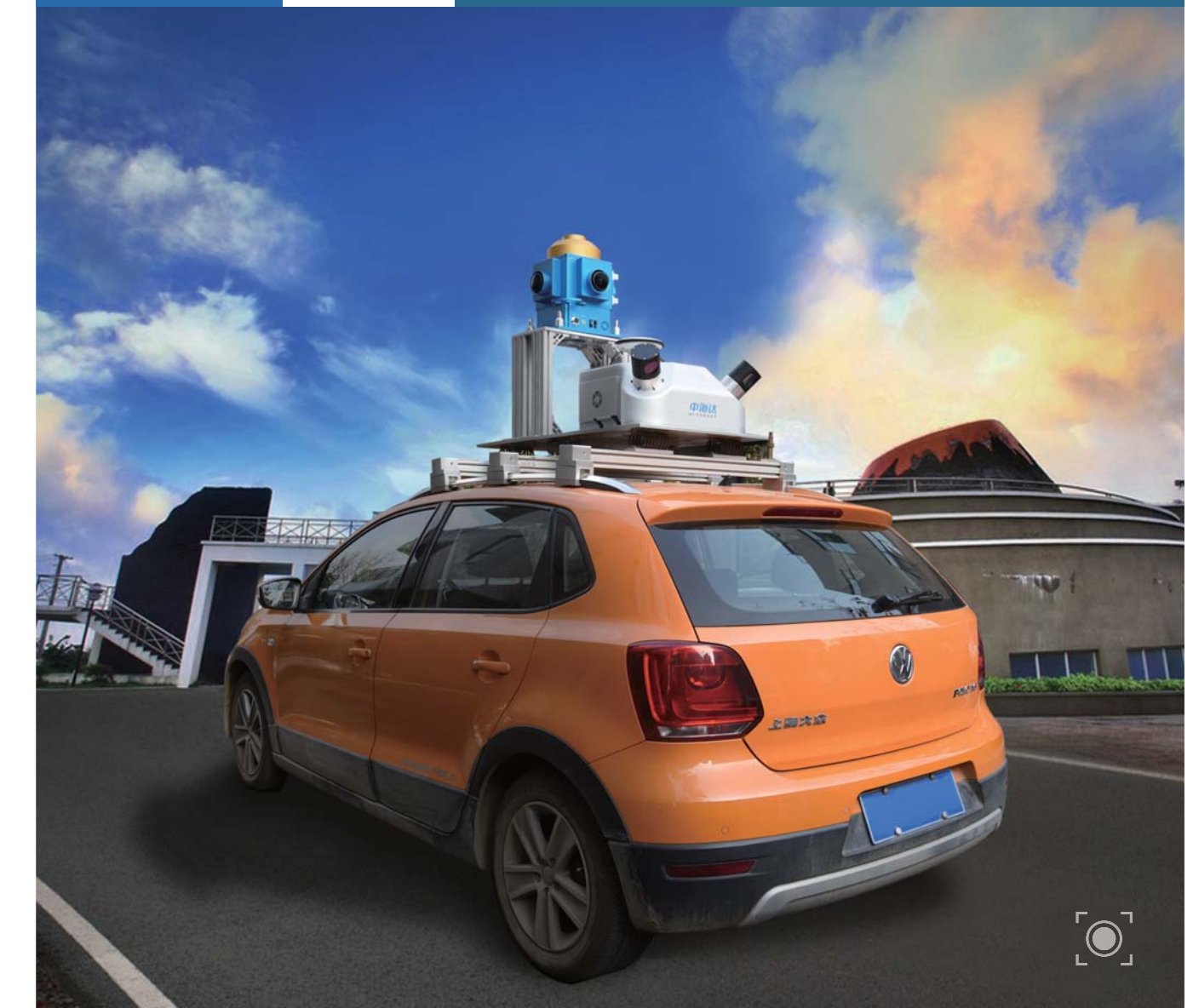
FC CE IC IP67

HiScan-c
Highly Integrated Solution

HiScan integrated mobile Mapping system is easy and convenient to be mounted on cars, boats or other mobile carriers. HiScan can get high accurate POS data, high-density 3D point clouds data and high-density panorama image data quickly on movement. It creates database for vector map data, makes 3D geographic data and produces street view data based on the data collected.

HiScan integrated mobile Mapping system has been widely used in 3D digital city, street view service, banding topographic mapping, city management asset general survey, transport infrastructure measurement, mine 3D mapping, waterway embankment mapping, sea reef coast 3D mapping and so on.

MMS Key Features

Fully integrated solution

Fully calibrated from factory, further calibration unnecessary

High-density, high-accuracy point cloud

Fully matched point cloud and panorama images
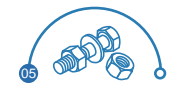
Easy to be mounted on any vehicle

Portable carrying case, easy to transport

Self-developed laser scanner

Application

HiScan Mobile Mapping System has been widely used in Internet street view map, strip of surveying and mapping, 3D digital city and digital urban management, digital public security, intelligent transportation, digital channel, digital surveying and mapping application fields such as mines and sea reef, etc.

Internet Street View Map Application

The high resolution images and the point cloud acquired by the HiScan Mobile Mapping System can be registered accurately to product street view map data rapidly. It can joint with different geographic information platform seamlessly to meet the needs of internet street view map application.

Zonal Section Surveying and Mapping

HiScan Mobile Mapping System has great advantages in zonal section survey area. It can collect point cloud beside the road on high speed. Basically, it is suitable for each area of zoster section survey, including road reconstruction, channel survey, road asset database setting up, topographic map surveying and mapping of the slope embankment road DEM and so on.
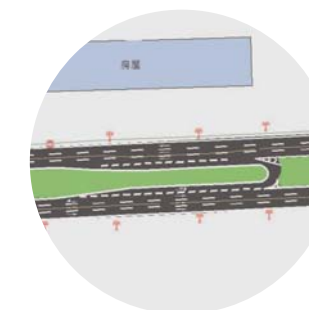
3D Model Application

HiScan Mobile Mapping System can be used to collect data including 3D point cloud data, corresponding high-resolution texture images and panoramic images on both sides of the road. Then 3D models can be produced by data fusion technology.

Digital Urban Management Application

HiScan Mobile Mapping System can acquire the 3D coordinate information of target object on both sides of the road rapidly. The software can rapidly extract features, including urban management asset, outdoor advertising, garden trees and traffic signs. The system can be applied to digital urban management, public security, digital landscape and digital traffic.

Digital Traffic Application

HiScan Mobile Mapping System can provide transportation infrastructure data collection, the production, integrated application of management platform for building a digital transportation service whole process of the integration solution, which can be widely applied in traffic industry management informatization and road design, be dismantled to move the reconstruction and expansion, bridges and roads completion inspection and acceptance, digital sea, channel visualization regulation, etc. The data From Hi-Scan can be used in transportation modernization daily maintenance and management, emergency decision-making and public services.
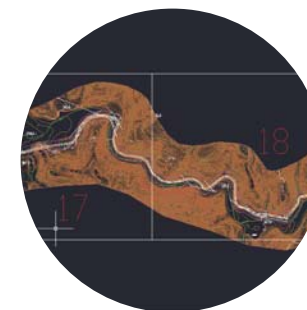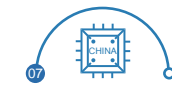
Digital Waterway or Coastal Zone

HiScan Mobile Mapping System can realize physical image and 3D data acquisition, including channel, embankments, coastal zone. It can also satisfy channel, basic geographic data in coastal zone and management of building warehouse, and provide data support for the construction of digital waterway or coastal zone.