



**Leica Geosystems**  
Incident Mapping Suite

# Leica Geosystems IMS Map360

Frequently Asked Questions





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## FAQ – General Questions about IMS Map360

### Q. What makes IMS Map360 different from other drawing or CAD programs?

Many programs claim that they are a CAD system and depending on the definition used, it could be argued that they do indeed provide CAD functionality. We can safely say we are a CAD system because we use a CAD engine at the core. The CAD engine used in IMS Map360 is the same CAD engine we use in our professional grade Land Surveying and Civil Engineering products. If our CAD engine is good enough for Land Surveyors and Engineers, it also meets the needs of our forensic customers.

While historically CAD based products have been more difficult to use than less complicated sketching applications, our ambition with IMS Map360 was to make CAD easy for non-engineers to use.

With the release of IMS Map360 1.3 and 2.0 later this year, you will begin to see our commitment to making CAD easy to use without sacrificing the accuracy, reliability, repeatability that only a **TRUE CAD ENGINE** can provide.

### Q. IMS Map360 is branded as a Leica Geosystems product, but there are similarities to MicroSurvey MapScenes. How come?

MicroSurvey has been developing survey software since 1985 and we made our first forensic product called MapScenes in 1999. In 2015, we retired MapScenes and re-released it as IMS Map360 under the Leica Geosystems brand.

Since IMS Map360 is based on MapScenes, there are many common features that existing MapScenes customers will recognize.

### Q. Is IMS Map360 really that different than MapScenes?

The quick answer is yes! IMS Map360 is built on the latest CAD engine from IntelliCAD, has better point cloud support, a new modern ribbon interface, Bing Maps support, easier drawing tools, evidence markers, HemoSpat (bought separately) blood spatter support, and more. Watch these [movies](#) to see some new features that are only available in IMS Map360.

### Q. What kind of support do you provide?

We offer exceptional technical support with our team of highly educated and experienced staff that are ready to help when you need it. Our [online knowledgebase](#) provides [training movies](#), [new releases](#), [news](#), and more so you can keep current.



Customers frequently remind us that we provide the best support in the industry. We're here to help.

### **Q. I've heard about your evidence integrity system, what is it exactly?**

IMS Map360 creates a separate, protected database file for your hand entered, total station, and GNSS measurement data. Downloaded files are backed up automatically and the multilayered structure of the database affords extra security for your data. Any attempt to change point coordinates will result in a Point Protection warning and any changes made to point data are noted in the database. For added security, your original data collector/ASCII file is never altered.

IMS Map360 also backs up your previous drawing and database at every save, which allows you to recover from a corrupted drawing file if needed.

### **Q. Can the user interface be customized?**

IMS Map360 provides one program and a choice of 3 user interfaces from basic to advanced. We also offer more customization options than any other program to fit individual's needs to work more efficiently.

### **Q. I've heard that IMS Map360 has this thing called viewports, why do I care about this?**

Viewports allow easy print function with customizable templates. Powerful viewport function allows you to select scale and views from the original drawing without having to create separate drawings.

### **Q. What type of data can I use with IMS Map360?**

That's easy, anything! IMS Map360 can use manually entered data via baseline offset, imported ASCII point files, total station raw data for compatible formats, GNSS data, point cloud data, aerial imagery, online imagery, and more.

For users using [LTI QuickMap 3D](#), [Leica Captivate](#), or [Evidence Recorder](#), your data can be imported directly into IMS Map360 with no pre-processing necessary.

### **Q. I have a UAV system, how can I use the data with IMS Map360?**

UAVs are becoming more mainstream in crash and crime reconstruction. IMS Map360 is one of the only forensic programs that can import the high-resolution orthomosaic imagery in its entirety and optionally overlay the point cloud data derived from the imagery. Imagery containing World information is also supported ensuring correct placement of your imagery without manual interaction from the user. This provides superior viewing of your data and no manual manipulation like other programs that may introduce human error.



## **Q. I've seen the statement made that IMS Map360 has the industry's most powerful point cloud engine. Does it really?**

We certainly do. The point cloud module for IMS Map360 integrates the powerful [Leica Cyclone](#) engine and [Leica JetStream](#) option. You can work with point clouds containing billions of points with almost instantaneous screen updates as you move around your point cloud.

Many built in tools are available to help you clip your point cloud, view it from different angles, move your coordinate systems to align with objects or walls, coloring options, bullet trajectory tools, and more.

## **Q. What is IMS Map360 Core?**

IMS Map360 Core is a stand alone system. It includes all the drawing, calculation, and analysis tools needed to complete 2D and 3D deliverables. You can use data from any source except for point cloud data which requires the optional point cloud module.

## **Q. Do I need the animation and point cloud modules?**

You only need the animation module if you want to create animations and you only need the point cloud module if you need to work with point clouds. IMS Map360 Core is a standalone system and can be used with or without these optional modules.

## **Q. What is the cost of IMS Map360?**

- IMS Map360 Core: \$1495 USD
- IMS Map360 Animation Module: \$1000 USD
- IMS Map360 Point Cloud Module: \$7000 USD

## **Q. Can you work with 2D and 3D data?**

IMS Map360 allows you to work with either 2D or 3D data.

There is a 2D drawing mode that can be used to “flatten” your drawing making 2D scene diagrams easier to complete. This useful feature allows you to use 2D or 3D data and easily create a 2D drawing without thinking about the 3D world. You can also quickly start a scene by using the built in Bing® maps support and trace over the image to create your diagram, or use many of the built-in tools like baseline offset or total station import to use measurements from a scene that has been previously captured.

When you need to work in 3D, all the same commands and tools you use in 2D mode also work in 3D, so there are no new tools or workflows to learn. Since IMS Map360 is based on a 3D CAD engine, we include many specialized CAD commands that allow you to create your own complex 3D objects. IMS also includes a draw room tool that will help you create a 3D room and also support importing 3D models from many different sources.



### **Q. Do you have any crash reconstruction calculators?**

IMS Map360 includes calculators for a variety of crash reconstruction formulae, including speed, deceleration factor, kinetic energy, unit conversions, trigonometry, momentum (360° and in-line), and kinematics.

For formulae requiring distance as an input, the distance can be typed manually or selected in the drawing. Results can be copied from the drawing and pasted into your report and the Transport Canada Vehicle Specs Database is also included.

### **Q. Do you include any crash and crime scene symbols?**

IMS Map360 includes over 7,000 symbols specific to crash and crime scene mapping. Each symbol is represented in both colour and black and white versions and vehicle symbols are available for many makes and models.

### **Q. What if I need a symbol that you don't provide?**

In this situation you could draw your own symbol if you know how to, or import models from other sources. One source we support is the 3D Warehouse which is a website that has more than 10 million 3D models available at no charge. Simply find the model you want, download it, and import it directly into IMS Map360.

### **Q. Do you have any field to finish mapping tools?**

For total station and GPS users we developed [Evidence Recorder](#) field data collection software. It works on Windows Tablets, PCs or Windows Mobile devices. Quickly capture data, attach photos and voice notes to reduce road closure times. Allows 2D/3D viewing in the field to ensure you have everything before you leave the scene.

### **Q. Is IMS Map360 available in other languages?**

IMS Map360 is available in English and Spanish.

### **Q. Can I try IMS Map360 before I buy it?**

Yes you can. You can download a 30 day fully functional version from our [Demo Download](#) site.