



Leica Geosystems
Incident Mapping Suite

Leica Geosystems IMS Map360

IMS & Cyclone Integration and Licensing FAQ



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What is required to use point cloud data inside IMS Map360?

IMS Map360 runs independently and can be used on its own without any other modules, components or software required. This is known as IMS Map360 Core and supports working with data from all sources except point clouds.

If point cloud support is required, then an optional point cloud module must be purchased for IMS Map360. In addition, Cyclone must also be installed on the user's computer as the point cloud module used in IMS Map360 has dependencies on Cyclone and cannot function if Cyclone isn't installed.

Cyclone does not require a license to be compatible with IMS Map360. When Cyclone isn't licensed, it is known as "Cyclone-VIEWER mode." When Cyclone is not licensed, generic point cloud formats (PTS, LAS, e57) can be imported and existing Cyclone databases (IMP files) can be opened in IMS Map360.



Figure 1 - Message a user will see when Cyclone isn't licensed



Summary

IMS Map360 Core	IMS Map360 Core + Point Cloud Module + Cyclone (Viewer Mode)
<ul style="list-style-type: none">• Supports data from all sources except point clouds.• Doesn't require any other software components or programs to be installed.• Licensed with a USB dongle	<ul style="list-style-type: none">• Supports data from all sources including point clouds.• Requires Cyclone to be installed• IMS Map360 is licensed with a USB dongle.• Cyclone does not need to be licensed to use point clouds inside IMS Map360.• Generic point cloud formats such as PTS, LAS, e57 can be imported and used in IMS Map360.• Existing Cyclone databases (IMP Files) can be used in IMS Map360.• No point cloud registration or clean up supported.

If a user wants to import scanner data, what is required?

When there is a requirement to import, register, and clean up scanner point clouds, the user will need a Cyclone Register license.

If a user wants to publish to TruView Local, what is required?

When a user wants to publish to [TruView](#) for local use, a Cyclone TruView Publisher license is required.

Cyclone TruView Publisher allows your Cyclone products to publish project data so TruView Local can be used inside the free, no-install viewer. TruViews are perfect for sharing TruViews with organizations with IT hurdles or as a simple and interactive point cloud viewer.

If a user wants to publish to JetStream Local, what is required?

When a user wants to publish a [JetStream](#) project for local use in the JetStream viewer or inside IMS Map360, a Cyclone JetStream Publisher license is required for Cyclone.

Cyclone JetStream PUBLISHER allows your Cyclone products to publish project data to your [JetStream Enterprise server](#). The JetStream Enterprise server is free.



What do you need to access JetStream clouds inside IMS Map360?

Cyclone JetStream PUBLISHER is the first step in accessing your JetStream Projects within your preferred CAD system such as IMS Map360. The JetStream Enterprise server must be installed locally on a workstation, or on your network before JetStream projects can be accessed by IMS Map360 or via the free [JetStream viewer](#).

Furthermore, a JetStream Connector is required for each instance of IMS Map360 that is running and accessing JetStream point cloud projects.

What do you need to use Cyclone Register 360?

[Release notes](#) for Cyclone Register 360 is available and it explains the licensing requirements very thoroughly.

Licensing information

Leica Cyclone REGISTER 360 requires one (1) of the following licenses:

- Permanent Cyclone REGISTER 360 license
- TimeLimited (weekly interval) Cyclone REGISTER 360 license
- EnterpriseElite Cyclone REGISTER 360 license
- Active Cyclone REGISTER 360 subscription
- Permanent Cyclone REGISTER license with active (current) CCP
- TimeLimited (weekly interval) Cyclone REGISTER license
- Active Cyclone REGISTER subscription

Publishing to JetStream Local or JetStream Enterprise requires one (1) of the following licenses:

- Permanent Cyclone JetStream PUBLISHER license
- TimeLimited (weekly interval) Cyclone JetStream PUBLISHER license
- EnterpriseElite Cyclone JetStream PUBLISHER license
- Active Cyclone JetStream PUBLISHER subscription
- Permanent Cyclone PUBLISHER Pro license
- TimeLimited (weekly interval) Cyclone PUBLISHER Pro license
- EnterpriseElite Cyclone PUBLISHER Pro license
- Active Cyclone PUBLISHER Pro subscription

Publishing to TruView Local or TruView Enterprise requires one (1) of the following licenses:

- Permanent Cyclone TruView PUBLISHER license
- TimeLimited (weekly interval) Cyclone TruView PUBLISHER license
- EnterpriseElite Cyclone TruView PUBLISHER license
- Active Cyclone TruView PUBLISHER subscription



- Permanent Cyclone PUBLISHER Pro license
- TimeLimited (weekly interval) Cyclone PUBLISHER Pro license
- EnterpriseElite Cyclone PUBLISHER Pro license
- Active Cyclone PUBLISHER Pro subscription

Publishing to TruView Cloud requires*:

- Active subscription to TruView Cloud. TruView Cloud can also import *.tvg files created by Cyclone TruView PUBLISHER or Cyclone PUBLISHER Pro

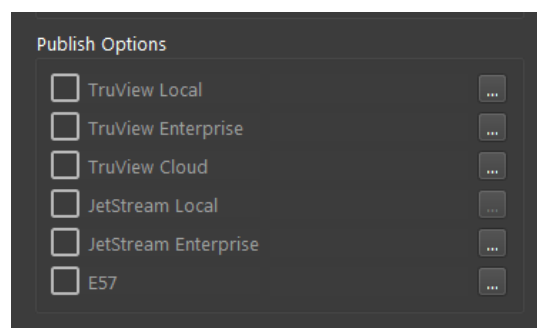
Supported Import Formats

Licensed copies of Cyclone Register 360 can accept the following types of scan, image and text files:

File Types	Supported Formats
Binary Point Clouds	.e57 .ptg
Control File (*.txt)	Point number Northing Easting Elevation Comment
Imagery	.bmp .jpeg .png
FARO TLS data	.fls .fpr .fws FARO Raw
Leica HDS scanner data	BLK360 C-Series P-Series
Text	.ptx
Z+F	.zfc .zfs .zfprj

Export (Publishing)

The user can choose to optionally publish their project to TruView Local or Enterprise if they have a Cyclone TruView PUBLISHER or Cyclone PUBLISHER Pro License, TruView Cloud if they have a TruView Cloud subscription, JetStream Local or JetStream Enterprise if they have a Cyclone JetStream PUBLISHER or Cyclone PUBLISHER Pro License, or as an.e57 file.



Publish Options

- ☐ TruView Local ...
- ☐ TruView Enterprise ...
- ☐ TruView Cloud ...
- ☐ JetStream Local ...
- ☐ JetStream Enterprise ...
- ☐ E57 ...

Desired Data Destination	Required License	Required Product
Cyclone	Cyclone REGISTER or Cyclone MODEL or Cyclone SURVEY	Cyclone 9.2 or newer
TruView Local	Cyclone TruView PUBLISHER or Cyclone PUBLISHER Pro	TruView Local (ActiveX plugin for Microsoft Internet Explorer)
TruView Enterprise	Cyclone TruView PUBLISHER or Cyclone PUBLISHER Pro **Creates *.tvg files for upload	TruView Enterprise <i>*TruView Enterprise 3.0 or newer is required for support of Cyclone REGISTER 360 Projects with multiple sitemaps.</i>
TruView Cloud	Active TruView Cloud Subscription	TruView Cloud Subscription service <i>*TruView Cloud 3.0 or newer is required for support of Cyclone REGISTER 360 Projects with multiple sitemaps.</i>
JetStream Enterprise	Cyclone JetStream PUBLISHER or Cyclone PUBLISHER Pro	JetStream Enterprise 1.4 or newer and desired compatible viewer/plugin (JetStream Viewer, CloudWorx or MultiWorx product)
JetStream Viewer	Cyclone JetStream PUBLISHER or Cyclone PUBLISHER Pro **Creates *.jsv files for viewing point clouds and imagery in JetStream Viewer	JetStream Viewer 1.4 or newer
E57	No additional license required	E57 compatible products of users' choice



Export from REGISTER 360 and Import into IMS Map360

From Register 360, you have to export an e57 file or publish to JetStream Enterprise.

E57 Option

Once the e57 file has been exported you can import it into IMS Map360 using the Import e57 procedure explained in the following [help movie](#). Start at step 16.

JetStream Enterprise

Once the point cloud has been published to your JetStream Enterprise server, you can open the JetStream cloud in IMS Map360. You can [watch](#) the following movie to learn how to open the Jet Stream cloud.

Notes about Cyclone Register 360

If there are no license entitlements found on the computer, the program will start but the user will not be able to do anything with the program.