



# Reality Cloud Studio, powered by HxDR

*A collaboration, visualisation and sharing platform for your reality capture data.*

Reality Cloud Studio is an easy-to-use cloud software solution for reality capture that seamlessly connects people, projects, and your data. Simply upload content to Reality Cloud Studio to host and visualize your digital reality and share it with anyone, anywhere.



**Reality Cloud Studio**

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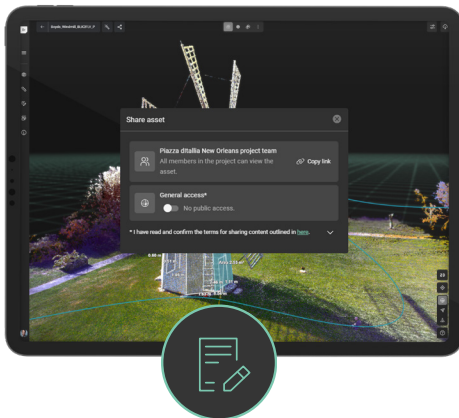
# Reality Cloud Studio

Experience the unparalleled power of reality capture data management and collaboration in the cloud.

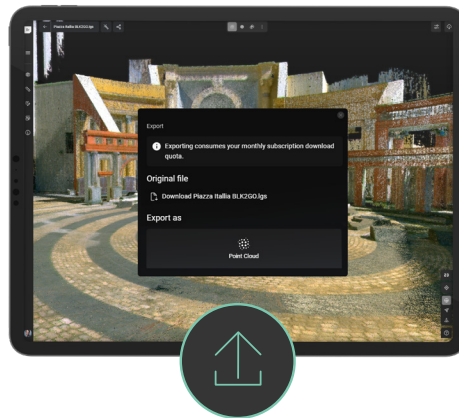
## Real-Time Collaboration

Harness the power of real-time collaboration with an unlimited number of users and unlimited streaming included. With Reality Cloud Studio, team members no longer have to wait for data - scan your site, upload your data, and share it right away with all project stakeholders - enabling field and office crews to work together seamlessly.

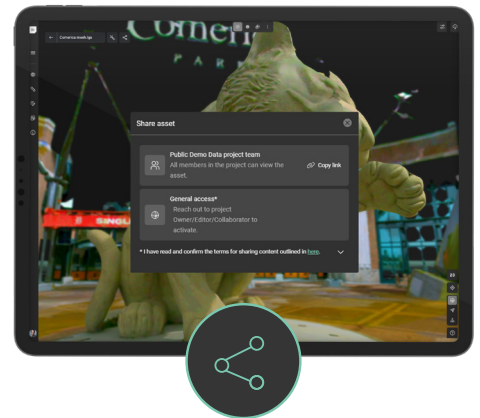
### Collaborate



### Export



### Send / Invite



## Centralized Data Management and User Experience

Hosting, sharing, and manipulating large point cloud datasets has never been easier. Reality Cloud Studio makes user experience a priority, offering a powerful cloud platform for effortless data sharing, collaboration, visualization, and secure storage of digital reality data in the cloud.



## HxDR Data Flow

HxDR Data Flow is a cutting-edge, free desktop application designed to streamline the upload of large projects to Reality Cloud Studio. Unlike typical web browsers, which struggle with massive reality capture datasets, HxDR Data Flow is optimized for fast and stable transfers. It offers advanced project and queue management, giving you enhanced control and efficiency. With HxDR Data Flow, you can easily manage and accelerate your uploads, ensuring a smooth and reliable experience every time.



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# Reality Cloud Studio

The simplest way to process, visualize, and present digital reality data.

## Auto-Mesh



## Auto-Register

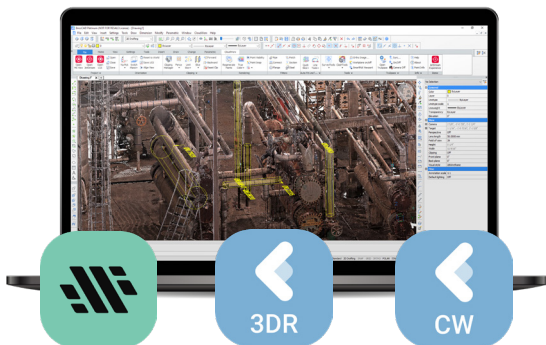


## Automated Data Processing

Benefit from automated processing of 3D point clouds as soon as you upload your data. Create visually stunning and immersive meshed 3D models automatically ready for use in your browser or for download.

## Showcase and Share Your Data

Dive into advanced visualization with Reality Cloud Studio. Create guided tours of datasets, easily present assets and vivid 3D models, and share stunning visuals with your project collaborators, making data exploration an immersive and fun experience.



## Integrated with Leica CloudWorx and Leica Cyclone 3DR

Stream Reality Cloud Studio data to Cyclone 3DR and CloudWorx. Stream Reality Cloud Studio assets from CloudWorx directly into your CAD software of choice.

# Reality Cloud Studio Spec Sheet

<b>Data Upload</b>	Point cloud: LGS, LGSx, E57, LAS, B2G
	Meshes: OBJ, GLB
	3D Models: IFC, RVT
	Other: BINZ, HTC GPR Survey
	Data can be uploaded from Leica Geosystems Reality Capture field apps, added directly via the web portal, or with the HxDR Data Flow desktop app.
<b>Data Download</b>	Original uploaded files can be downloaded
	Point cloud: PTS, LAS, E57
	Mesh: OBJ
	Video: MP4 (for recorded virtual tours)
<b>Administration</b>	Create users, assign project roles/access, manage data usage via in depth analytics dashboard
<b>Project Tools</b>	Create, Edit, Delete, Copy, Move functions all supported
<b>Connectivity to Field Apps</b>	Leica Cyclone FIELD 360, Leica BLK Live App, Leica BLK2FLY Live App, Leica BLK ARC App
<b>Connectivity to Desktop Apps</b>	Stream assets to CloudWorx and Cyclone 3DR for detailed analysis and rapid deliverable creation
<b>Visualization</b>	Point cloud, Panoramas, Meshes and 3D CAD files
	Create Virtual Tours and export MP4 videos
	Various customization options (color, point size, edge detection, depth of field, dollhouse view)
	View point clouds, meshes, combined views of 3D assets (mesh & point cloud), Toggle panoramic images on/off
<b>Navigation</b>	3D Orbit, First Person mode (Fly), Pano-to-Pano (teleport), Reset view, top-down Plan view
<b>Automated Processing</b>	Registration: Register B2G files together from the BLK2GO, BLK2GO Pulse, BLK2FLY, or BLK ARC. Or register RTC360 or BLK360 data from a single Job within Cyclone FIELD 360 or the BLK Live apps when VIS is enabled on the sensor.
	Meshing: Choose from list of sensors or "generic" for optimized 1-click mesh creation
<b>Limit Boxes</b>	Create, Save, Edit, Share
<b>Measurements</b>	Create, Save, Edit, Share distance, area, and planar measurements
<b>GeoTags</b>	Create, Save, Edit, Share
<b>Collaboration</b>	Share projects with team members
	Share public URLs with external users
	Add external members to your projects
	Assign user roles at project or account level for superior control and management
<b>Documentation</b>	Workflow guides, FAQ, Online Help, In-app contextual help
<b>Supported Browsers and Platforms</b>	Edge, Firefox, Chrome, and Safari browsers on Windows, MacOS, iOS, iPadOS, and Android