

CoViewer

Free Lightweight Desktop 3DGS Viewer Software



► Explore Reality. Present with Clarity.

CoViewer is a lightweight desktop viewer designed for smooth visualization, exploration, and presentation of 3D Gaussian Splatting models. Optimized for handheld scanning data and complex indoor environments, it combines responsive navigation, high-quality rendering, and flexible scene controls for efficient review and immersive 3D presentation.



► Key feature



Multi-Format Support

Open PLY, 3D Tiles, and CHCNAV HSC models directly in a single desktop viewer.



Elevation Clipping

Clip upper levels to reveal interior spaces, floor layouts, and details hidden within complex 3D scenes.



Scene Customization

Use solid colors or panoramic images as scene backgrounds for clearer visualization and professional presentation.



CoCloud Access

Access CoCloud 3DGS projects in CoViewer for high-quality desktop and offline viewing.

► Immersive Navigation



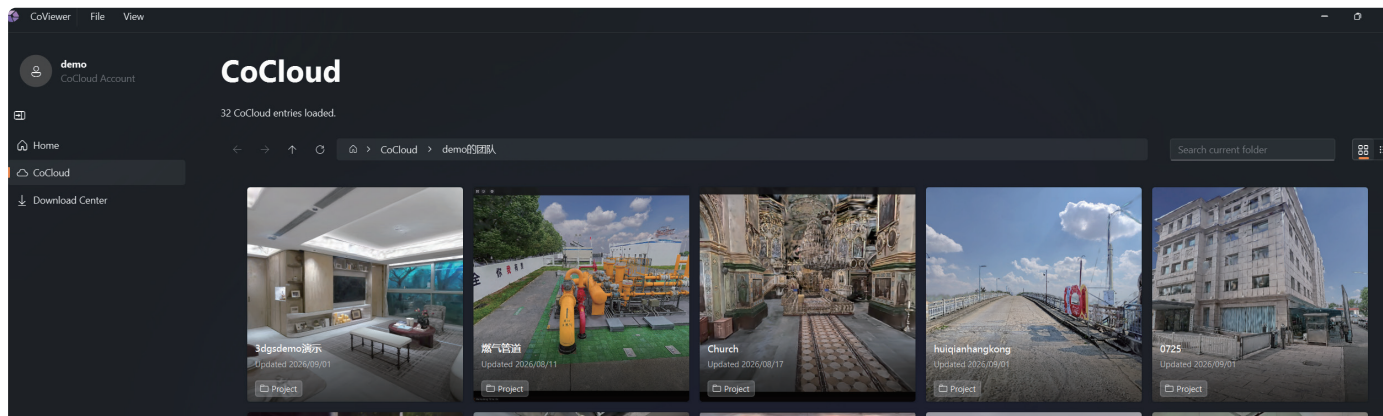
Move naturally through 3D environments, from a complete scene overview to specific areas of interest. Navigate closer, change viewpoints, and explore complex indoor spaces with smooth, responsive controls.

► High-Fidelity Rendering



Move from wide-area views to fine scene details while maintaining visual clarity. High-quality 3DGS rendering preserves textures, structures, and scene appearance throughout exploration.

► CoCloud-to-Desktop Workflow



Access 3DGS results generated in CoCloud and bring them directly into CoViewer for desktop review and presentation. Reduce time spent locating and preparing files while maintaining a streamlined workflow from cloud processing to local visualization.

► Use Cases



Project Presentations



3D Deliverable Review



Immersive Visualization

SPECIFICATIONS

► System Recommendations

Operating system	Microsoft Windows 10/11 (64-bit)
Processor	Intel® Core™ i5 (Minimum) Intel® Core™ i7 (Recommended)
RAM	16 GB (Minimum) 64 GB (Recommended)
Graphics card	NVIDIA GeForce RTX 3050 (Minimum) NVIDIA GeForce RTX 4070 (Recommended)
VRAM	4 GB (Minimum) 12 GB (Recommended)
Display	1920 × 1080 (Minimum) 3840 × 2160 (Recommended)

► Software License

License type	
SW upgrade	Online install

► Supported Language

English
Chinese

*Specifications are subject to change without notice.
(1) CHCGD & CHC protocol is CHCNAV format.

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