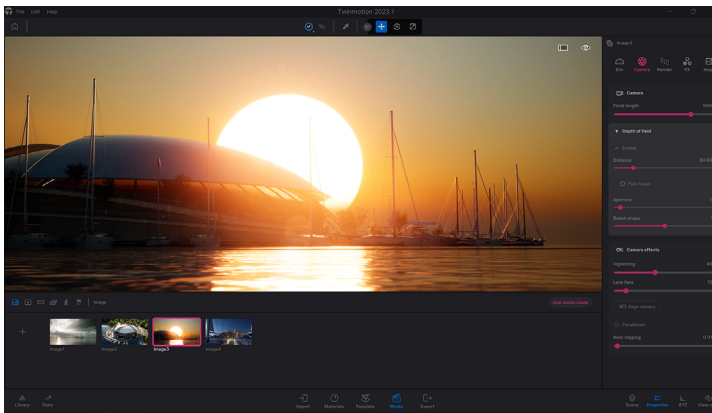# What's new in Twinmotion 2023.1

Twinmotion 2023.1 delivers new features and enhancements to benefit creators across a range of industries.

Key new features

Enhanced, streamlined user interface

Twinmotion 2023.1 sports a fresh new UI that is not only more pleasing to the eye, but also increases productivity by bringing previously buried functionality to the surface and reducing the number of clicks it takes to access controls.

Industry templates

New templates targeted at various industries offer a range of interior and exterior environments to show off designs. These provide a fast and easy starting point fr visualizations, including multiple camera views; assets can be simply swapped for the one in the template.

Procedural cycloramas

There are several new procedural cyclorama assets that simulate curved backdrops used in product shots. The width, depth, and height can be adjusted for each asset, as well as the radius of the curves, to match the scale and proportions of a particular product.

Path Tracer enhancements

In this release, enhancements to the Path Tracer include support for decals (including Quixel Megascans) and volumetric fog, as well as improved sky rendering. In addition, transparent objects now render correctly with depth of field.

Product visualization materials

Seventy-eight new materials with 4K textures suitable for close-up camera views have been added to the Fabric, Leather, Plastic, and Metal categories. While originally created for product visualization, these materials will be useful across many industries.

Expanded Glass material library

Enhancements to the Glass base materials enable the simulation of a wide range of materials such as glass that casts colored shadows, together with polychromatic, sandblasted, and frosted glass. Twenty-two new materials have been added to the Glass material library.

Car Paint material library

A new material type offers dedicated parameters and features for handling effects specific to car paint, such as Flakes and Orange Peel, enabling the simulation of a wide range of finishes including chameleon and pearlescent paint. There are 34 new materials in this category.

New ready-posed humans and standard assets

Since 2022.2, we've added over 300 new ready-posed humans in categories such as Summer, Business, Construction, Travel, and University, and nearly a thousand standard assets in Backyard, Sport Equipment, Storage, Decoration, Bathroom, Office, and Healthcare categories.

Improved base materials

Improvements to base materials include the ability to use either a separate texture or an embedded alpha channel as an Opacity map; new Color Correction controls on input textures; the availability of the X-ray feature on every base material; and more.

Built-in Twinmotion Datasmith file exporter

A built-in Twinmotion Datasmith file exporter and a new, much smaller Datasmith Twinmotion Content for Unreal Engine Plugin improve download speeds, minimize UE project sizes, and help ensure materials are properly applied to assets that are from the cloud.

Optimized Twinmotion file format

The Twinmotion file format has been modified to improve file size, save/load times, and global performance. This includes the deduplication of identical meshes and textures; multithreaded compression on scene saving; and the compression and embedding of HDRI files.

Improved viewport display

Twinmotion now uses Temporal Super Resolution (TSR) to upsample the viewport display, resulting in higher-quality viewport rendering than in previous versions with no impact on performance.

You can see all of the new features and enhancements in the **release notes**.

Pricing and availability

The MSRP of Twinmotion is $499 USD for a perpetual license; prices may vary by region and may be subject to applicable taxes. This price includes all subsequent upgrade releases for one year from the purchase date (if purchased online), or redemption date (if purchased through a reseller). There's also a free trial option for those wishing to evaluate the new features before purchasing, and a free educational version for students and teachers.

Get Twinmotion 2023.1