



TEMPTA NERAMIT PLUS

www.nivatech.co.th

Highlights



**Customizable
& Intuitive UI**



**Stunning
3D Graphics**



**Seamless
Workflow**



Data Link



**Reliable
Compatibility**

Features

1. Stunning 3D Graphics: Transform your vision into reality

Build immersive worlds with VRi's cutting-edge rendering engine.

PBR

(Metallic/Roughness, Specular/Glossiness)

Designers can directly control the material of the 3D objects. Experience immediate playout without rendering.

HDR (BT.2100)

Edits, creates, and plays HDR 10-bit scenes in BT. 2100 standard and support wide color gamut(Rec. 2020 without external design tools or plug-ins)

3D Models

Besides *.obj, *.3ds, *.x, *.fbx, Tempta Neramit Plus newly supports *.gltf and *.glb files importing.

HDR Environment Map

Supports HDRI import(*.exr, *.hdr, *.rgbe) for HDR 10-bit environment light sources.



Post-processing (Bloom/Tone Mapping)

Bloom applies light extending and glowing to objects or scenes. SDR/HDR Tone Mapping creates cinematic scenes.



2. Playback and Playout

Experience the most reliable manual and automatic playout performances.

Playback Speed Control

Adjusts video playback speed by rate (Range: 0.1 to 3.0, default is 1.0).

Multi-layer (Maximum 20 Layers)

Set multiple layers' playback method and repeat count for playout.

Data Update Transition

Allows selected objects to update their contents with a trigger while the scene's animation proceeds.

Seamless Changing between the Live PVW and PGM

Seamlessly switches Live PVW to PGM playout at the point of preview during live PVW playback.

Data Link

Automatically updates the contents of objects based on external data (ODBC, EXCEL, TXT, RTF) after creating a template scene

Hardware Acceleration

Accelerates GPU by H.265 Codec (Requires hardware accelerating GPU).

HTTP Live Streaming

Delivers live video over the network via HLS protocol. URI format maps the live video source on specified scene background or an object in real-time.

HDR Conversion (PQ/HLG)

HDR Conversion applies the HDR gamma log to the SDR video in playout and convert it to HDR video. When you check the video with an HDR-enabled monitor, you can reproduce the same color and brightness as you designed the scene,

Playout Countdown

State the duration of each scene and the remaining time before concluding each scene for ease of broadcasting

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3. Innovative Workflow Maximize your efficiency and save time.

Keyframe Animation

Designers can adjust the duration and start/end point of the keyframe animation by dragging the mouse in the timeline or adding shortcut keys.

Sharpness

Sharpness is an anti-aliasing feature in high-resolution 2D objects.

Resource Browser

Resource Browser displays the connection status of all the resources used in the project so operators can prevent unexpected broadcast accidents.



Project Tab

Manage multiple projects via Project Tab. The projects appear on respective Edit View.



Scene Effect

Specify in, out, and custom effects for a scene as a transition effect, (Glow, Dust, Mosaic, Tile Wipe, Card Wipe, Gradient Wipe)

Smart Context Menu

Right-click to create objects and to apply library attributes (Appearance/Color/In Effect/Out Effect) to them.

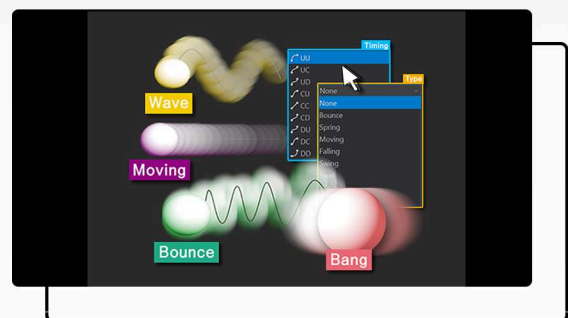
Advanced Audio Editing (Start, Delay, Volume, Fade in/out, Frame, Repeat)

Designers can adjust the properties of audio objects without external audio edit software



Easy Motion

Designers can easily design objects by adjusting the properties of animation templates.



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4. Customizable & Intuitive UI

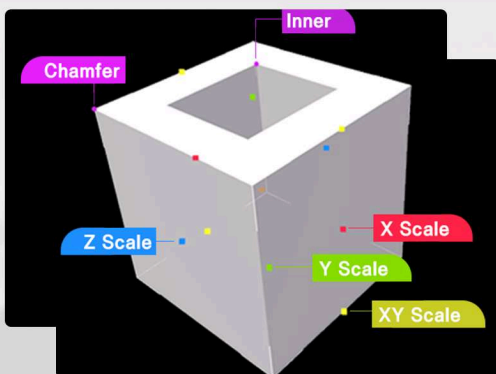
Tempta Neramit Plus's operation is closely allied to design tools most widely used worldwide. Even designers who are new to Tempta Neramit Plus can easily control the software.

Object Tree

Intuitively filters layers and objects according to types in a hierarchical order. Search by name, variable, file name, and content to enhance your creative workflow.

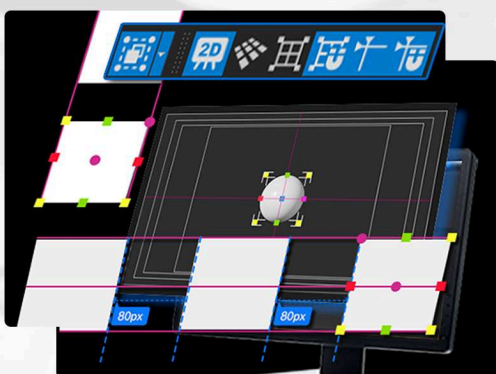
Gizmo

Adjusts scale, roundness, and inner values around each axis of 3D objects.



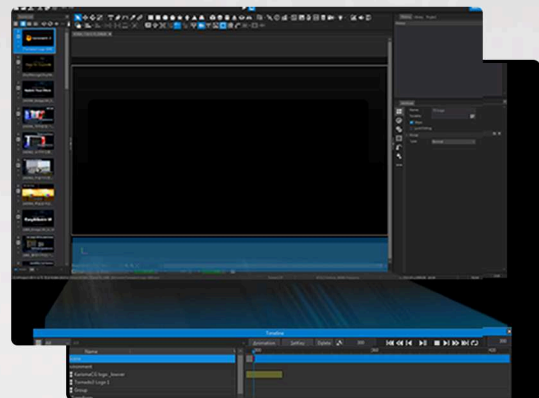
Smart Guide

Offers intuitive guidelines for easy object alignment when 2D View Mode is on



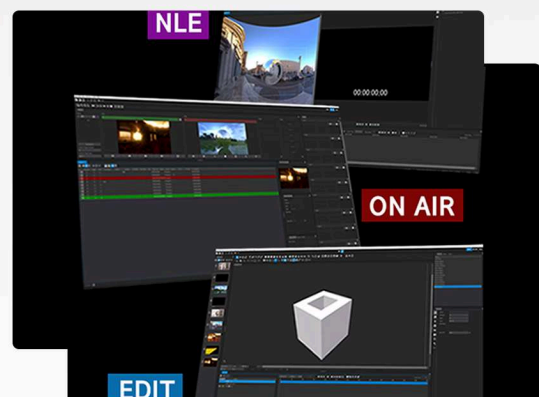
User Layout (Docking/Floating/Splitter)

Customizes the layout by docking, floating, and splitter, then save it as preset.



Purpose Toolbar (EDIT/ON AIR/NLE)

The Main Window provides layouts oriented to the purpose of the designers' task.



History

History automatically saves up to 256 stages so designers can return to a particular setting.

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| Category | Item | TNM 2 ⁺ | TNM 3 ⁺ | TNM 4 ⁺ |
|----------|--|--------------------|---------------------------------|--------------------|
| UI | Purpose Toolbar | • | • | • |
| | User Layout | • | • | • |
| | GPI Trigger | • | • | • |
| | 4 View | - | - | • |
| Creation | Image File Support (TGA,JPG,BMP,PNG,AI,PSD,HDR,TIF,GIF) | • | • | • |
| | Import Advanced 3D File (*.x, *.3ds, *.obj, *.dae (OpenCOLLADA), *.fbx, *.glTF, *.glb) | - | *.x, *.3ds, *.obj, *.dae, *.fbx | • |
| | Realistic Material Shader including Reflection and Refraction | • | • | • |
| | Smart Context Menu | • | • | • |
| | Advanced Scene Effect | - | • | • |
| | Keyframe Animation | • | • | • |
| | Trigger Animation | - | - | • |
| | Object Tree | • | • | • |
| | Data Link (XML,JSON,ODBC,TXT,RTF) | • | • | • |
| | Advanced Blending Mode | - | • | • |
| | Post-processing Effect | - | - | • |
| | Table based 3D Chart Drawing (bar,pie,cylinder,line) | - | • | • |
| Editing | Gizmo | • | • | • |
| | Sharpness | - | - | • |
| | History | • | • | • |
| | Advanced Audio Editing (*.wav, *.mp3) | - | - | • |
| | Resource Browser | • | • | • |
| | Auto-rename Variable | • | • | • |
| | HDR Environment Map (*.exr, *.hdr, *.rgbe) | • | • | • |
| Graphic | PBR Shading | • | • | • |
| | Live-in Video Mapping to 3D surface | • | • | • |
| | 2D Blending Mode | 3 Types | 21 Types | |
| Layout | Multi-layer | 6 | 12 | 20 |
| | Seamless Changing Between the Live PVW and PGM | - | - | • |
| | Data Update Transition | - | - | • |
| | High - resolution thumbnails and PVW | • | • | • |
| Video | Codec | - | • | • |
| | Avid DNxHD | - | Option | |
| | VFW Codec | - | Option | |
| | HEVC(H.265) | - | • | • |
| | Import/Export Video (*.mp4, *.mov, *.mxf, *.wmv, *.vrv, *.avi) | VRV | • | • |
| | HTTP Live Streaming | - | • | • |
| | Playback Speed Control | - | - | • |
| NLE | NLE | Option | | |
| 4K | 4K UHD | - | Option | |
| | BT.2100 (HDR 10-bit Rendering) | - | Feature in 4K | |
| | HDR Conversion | - | Feature in 4K | |

| Option | Feature |
|-----------------------------|---|
| SMS Message display | ดึงข้อมูลจาก Server อัตโนมัติ พร้อมระบบตัดคำภาษาไทย |
| Niva Sport Module | รายงานผลคะแนน สถิติ เวลาการแข่งขัน และข้อมูลนักกีฬา (ฟุตบอล ฟุตบอล ตะกร้อ มวย แบดมินตัน เทนนิส วอลเลย์บอล บาสเกตบอล สกีนกเกอร์) |
| Shopping Channel Option | ออกแบบเพื่อ งานทางด้าน Shopping TV โดยเฉพาะ เพิ่มความสะดวกในการใช้งาน |
| Social media : Line Display | ดึงข้อมูลอัตโนมัติ พร้อมระบบตัดคำภาษาไทย สามารถคัดกรอง แก้ไข เพิ่มเติมก่อนออกอากาศ |
| News Ticker Display | พร้อมหน้าจอสำหรับกรอกข้อมูลข่าว สามารถหยุด ข่าวด่วน เล่นซ้ำ คัดกรองข่าวก่อนออกอากาศได้ |
| Stock Ticker Display | ดึงข้อมูลข่าวหุ้นอย่างอัตโนมัติและแสดงในรูปแบบของการสถานีฯ กำหนด |
| Clock | เสริมคุณสมบัติการแสดงนาฬิกา จับเวลา โดยสามารถนับเดินหน้า หรือ ถอยหลัง หยุดเวลารอได้ |
| MOS option | รองรับการสื่อสารระหว่าง CG Temta กับระบบ NRCS ผ่าน MOS Protocol |

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