



3ds Max

FEATURE SET COMPARISON

V-Ray for 3ds Max Versions 2.5, 3.0, 3.4, 3.6














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V-Ray for 3ds Max Versions 2.5, 3.0, 3.4, 3.6

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WEB RESOURCES

Help Index
Videos Showing New Features
V-Ray RT GPU Tutorials
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docs.chaosgroup.com
www.youtube.com/user/ChaosGroupTV/videos
<https://www.youtube.com/watch?v=p854rplOURY>
www.youtube.com/playlist?list=PLm2Irfq-UvZ2VRbQ-DxIC0hsuh7gaHoPo
support@chaosgroup.com
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3DS MAX VERSION COMPATIBILITY



3ds Max

Feature	V-RAY 2.5 2010-2014	V-RAY 3.0 2014	V-RAY 3.4 2016	V-RAY 3.6 Latest-2017
2018				✓
2017			✓	✓
2016			✓	✓
2015	✓	✓	✓	✓
2014	✓	✓	✓	✓
2013	✓	✓	✓	✓
2012	✓	✓	✓	✓
2011	✓	✓		
2010	✓	✓		
2009	✓	✓		
2008	✓	✓		
ver. 9	✓	✓		



RENDERING FEATURES



3ds Max

Feature	V-RAY 2.5 2010-2014	V-RAY 3.0 2014	V-RAY 3.4 2016	V-RAY 3.6 Latest-2017
Bucket Rendering	✓	✓	✓	✓
Progressive rendering		✓	✓	✓
Interactive Production Rendering				✓
RT CPU	✓	✓	✓	✓
RT GPU	✓	✓	✓	✓
Hybrid Rendering				✓
Resumable Rendering				✓
Speed improvements		✓	✓	✓
GI Optimizations				✓
Distributed Rendering	✓	✓	✓	✓
Denoiser			✓	✓
Standalone Denoiser			✓	✓
Hardware accelerated denoising			✓	✓
Min Shading Rate Control		✓	✓	✓
Variance Based Image Sampling			✓	✓
V-Ray Standalone	✓	✓	✓	✓
Faster Hair Rendering		✓	✓	✓
Use of Embree		✓	✓	✓
Embree for Hair			✓	✓
Faster Light Cache			✓	✓
Faster Forest Pack Rendering			✓	✓
Faster Proxy/Instances Rendering			✓	✓
Faster Fur Rendering			✓	✓
Render Mask		✓	✓	✓



Feature	V-RAY 2.5 2010-2014	V-RAY 3.0 2014	V-RAY 3.4 2016	V-RAY 3.6 Latest-2017
Adaptive Lights				✓
Probabilistic Lights		✓	✓	✓
Max Ray Intensity		✓	✓	✓
Probabilistic Volume Grid Rendering			✓	✓
Deep EXR rendering		✓	✓	✓
Light Cache DR			✓	✓
Add/Remove DR machines on the go			✓	✓
DR Automatically Cache render assets		✓	✓	✓
DR Use/Don't use local machine		✓	✓	✓
Full Light select Render Element				✓
Cryptomatte Render Element				✓
Nvidia NVLink support				✓



GEOMETRY FEATURES



3ds Max

Feature	V-RAY 2.5 2010-2014	V-RAY 3.0 2014	V-RAY 3.4 2016	V-RAY 3.6 Latest-2017
V-Ray Proxy	✓	✓	✓	✓
V-Ray Proxy in RT		✓	✓	✓
V-Ray Proxy with Alembic	✓	✓	✓	✓
V-Ray Proxy with Alembic Particles		✓	✓	✓
V-Ray Proxy with Alembic Hair		✓	✓	✓
Proxy Preview Types			✓	✓
Automatic Instancing of Identical proxies			✓	✓
Mesh Viewer			✓	✓
V-Ray Fur	✓	✓	✓	✓
V-Ray Fur Curl Map			✓	✓
Displacement	✓	✓	✓	✓
Vector Displacement		✓	✓	✓
Clipper		✓	✓	✓
Mesh Clipper			✓	✓
Volume Grid		✓	✓	✓
Instancer			✓	✓
Metaballs		✓	✓	✓
Ornatrix Support	✓	✓	✓	✓
HairFarm support	✓	✓	✓	✓
Vrscene node import				✓
Forest Pack Support		✓	✓	✓

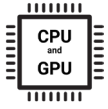


USER INTERFACE FEATURES



3ds Max

Feature	V-RAY 2.5 2010-2014	V-RAY 3.0 2014	V-RAY 3.4 2016	V-RAY 3.6 Latest-2017
V-Ray Toolbar		✓	✓	✓
V-Ray Light Lister	✓	✓	✓	✓
Quick Settings		✓	✓	✓
Simplified UI Levels		✓	✓	✓
Dockable VFB windows			✓	✓
UI Tooltips			✓	✓

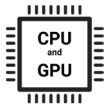


V-RAY RT CPU AND GPU FEATURES



3ds Max

Feature	V-RAY 2.5 2010-2014	V-RAY 3.0 2014	V-RAY 3.4 2016	V-RAY 3.6 Latest-2017
RT CPU Environment Fog			✓	✓
RT CPU Render Elements			✓	✓
RT CPU Ornatrrix Rendering		✓	✓	✓
Direct VR Rendering from RT			✓	✓
Object Select in VFB				✓
Material Select in VFB				✓
Set focus distance in VFB				✓
RT Motion Blur				✓
RT Real Zoom Option	✓	✓	✓	✓
RT GPU CUDA	✓	✓	✓	✓
RT GPU QMC sampling	✓	✓	✓	✓
RT GPU Displacement			✓	✓
RT GPU UDIM			✓	✓
RT GPU Noise Bump			✓	✓
RT GPU Edges Texture			✓	✓
RT GPU Texture Baking			✓	✓
RT GPU Anisotropy			✓	✓
RT GPU Spherical Panorama			✓	✓
RT GPU Light Cache			✓	✓
RT GPU Raytraced SSS			✓	✓
RT GPU Fur			✓	✓
RT GPU Dirt			✓	✓
RT GPU User Color/Scalar			✓	✓

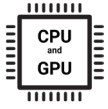


V-RAY RT CPU AND GPU FEATURES



3ds Max

Feature	V-RAY 2.5 2010-2014	V-RAY 3.0 2014	V-RAY 3.4 2016	V-RAY 3.6 Latest-2017
RT GPU Light Select Render Element with GI		✓	✓	✓
RT GPU Ornatix Rendering			✓	✓
RT GPU Orthographic Camera			✓	✓
RT GPU GLSL support			✓	✓
RT GPU procedural textures in Environment			✓	✓
RT GPU VRayPlane			✓	✓
RT GPU Aerial Perspective				✓
RT GPU Shadow Catcher				✓
RT GPU VRayStochasticFlakes Material				✓
RT GPU Mip-map textures				✓
RT GPU memory optimizations				✓
RT GPU Render Mask				✓
RT GPU Low thread priority				✓
RT GPU Additive mode on V-Ray Blend Material				✓
RT GPU Transparency for layers in V-Ray Blend Material				✓
RT GPU VRayAtmosphere RE support				✓
RT GPU Irradiance map from file				✓
RT GPU VRayRenderID RE				✓
RT GPU VRayObjectID RE				✓
RT GPU VRayMtlID RE				✓
RT GPU Ground Projection for V-Ray HDRI				✓



V-RAY RT CPU AND GPU FEATURES



3ds Max

Feature	V-RAY 2.5 2010-2014	V-RAY 3.0 2014	V-RAY 3.4 2016	V-RAY 3.6 Latest-2017
RT CPU and GPU Forest Color				✓
RT GPU Optimized Gradient Ramp support				✓
RT GPU Adaptive Lights				✓
RT GPU VRayClipper Plane				✓
RT GPU Bump textures optimizations				✓
V-Ray Fur in RT CPU	✓	✓	✓	✓
V-Ray Fur in RT GPU			✓	✓



ADDITIONAL FEATURES



3ds Max

Feature	V-RAY 2.5 2010-2014	V-RAY 3.0 2014	V-RAY 3.4 2016	V-RAY 3.6 Latest-2017
Cubic 6x1 Camera			✓	✓
Stereo Spherical Camera			✓	✓
3ds Max Physical Camera			✓	✓
Bitmap Camera Aperture		✓	✓	✓
Reflection/Refraction Exclude options		✓	✓	✓
Aerial Perspective			✓	✓
Ground Albedo Color			✓	✓
Sky Horizon offset and blend control			✓	✓
Disk Light shape			✓	✓
Control for Specular/Diffuse contribution amount in Lights			✓	✓
Ground Environment Projection for V-Ray HDRI		✓	✓	✓
Texture Tags		✓	✓	✓
Lens analysis tool	✓	✓	✓	✓
Matte environment for Reflections/Refractions			✓	✓
V-Ray Light Meter	✓	✓	✓	✓
Image to Tiled Export Tool	✓	✓	✓	✓
Free Trial				✓
Online Licensing				✓



Feature	V-RAY 2.5 2010-2014	V-RAY 3.0 2014	V-RAY 3.4 2016	V-RAY 3.6 Latest-2017
Lens Effects in VFB		✓	✓	✓
No re-render for Lens Effects		✓	✓	✓
Color Balance in VFB		✓	✓	✓
Exposure in VFB	✓	✓	✓	✓
White Balance in VFB			✓	✓
Hue/Saturation in VFB		✓	✓	✓
Levels in VFB	✓	✓	✓	✓
Curve in VFB	✓	✓	✓	✓
Bitmap Background in VFB			✓	✓
Contrast in VFB		✓	✓	✓
Highlight Burn CC			✓	✓
LUT in VFB	✓	✓	✓	✓
ICC in VFB	✓	✓	✓	✓
OCIO in VFB		✓	✓	✓
Save CC from VFB - LUT and .vccglb			✓	✓
Load CC from History			✓	✓
Relative to Project History			✓	✓
Auto save finished render			✓	✓
Hardware acceleration for lens effects				✓
Rendertime Lens Effects				✓



Feature	V-RAY 2.5 2010-2014	V-RAY 3.0 2014	V-RAY 3.4 2016	V-RAY 3.6 Latest-2017
V-Ray Two Sided Material	✓	✓	✓	✓
VRay2SidedMtl Multiply by Front Material			✓	✓
V-Ray Blend Material	✓	✓	✓	✓
V-Ray Bump Material		✓	✓	✓
V-Ray Car Paint Material	✓	✓	✓	✓
V-Ray Fast SSS				✓
V-Ray Fast SSS2	✓	✓	✓	✓
V-Ray Skin Material		✓	✓	✓
V-Ray Flakes Material	✓	✓	✓	✓
V-Ray GLSL Material	✓	✓	✓	✓
V-Ray Hair Material	✓	✓	✓	✓
V-Ray Light Material	✓	✓	✓	✓
V-Ray Material	✓	✓	✓	✓
V-Ray Material Opacity Modes			✓	✓
V-Ray Material GTR/GGX BRDF option			✓	✓
V-Ray Material Wrapper	✓	✓	✓	✓
V-Ray OSL Material		✓	✓	✓
V-Ray Override Material	✓	✓	✓	✓
V-Ray Point Particle Material		✓	✓	✓
V-Ray Scanned Material			✓	✓
V-Ray Scatter Volume Material			✓	✓
V-Ray Symbiont Material	✓	✓	✓	✓
V-Ray Stochastic Flakes Material			✓	✓



MATERIALS FEATURES



3ds Max

Feature	V-RAY 2.5 2010-2014	V-RAY 3.0 2014	V-RAY 3.4 2016	V-RAY 3.6 Latest-2017
V-Ray Vector Displacement Bake	✓	✓	✓	✓
V-Ray Vmat Material		✓	✓	✓
Glossy Fresnel				✓
V-Ray AL Surface Material				✓
V-Ray MDL				✓



TEXTURES FEATURES



3ds Max

Feature	V-RAY 2.5 2010-2014	V-RAY 3.0 2014	V-RAY 3.4 2016	V-RAY 3.6 Latest-2017
V-Ray Bmp Filter	✓	✓	✓	✓
V-Ray Bump2Normal		✓	✓	✓
V-Ray Color	✓	✓	✓	✓
V-Ray Color2Bump	✓	✓	✓	✓
V-Ray Comp tex	✓	✓	✓	✓
V-Ray Curvature			✓	✓
V-Ray Dirt	✓	✓	✓	✓
V-Ray Distance Texture	✓	✓	✓	✓
V-Ray Edges Texture	✓	✓	✓	✓
Raytraced Rounded Corners			✓	✓
V-Ray Flake Fresnel Texture		✓	✓	✓
V-Ray GLSL Texture	✓	✓	✓	✓
V-Ray Hair Info Texture	✓	✓	✓	✓
V-Ray HDRI	✓	✓	✓	✓
V-Ray ICC		✓	✓	✓
V-Ray LUT		✓	✓	✓
V-Ray Map	✓	✓	✓	✓
V-Ray Multi Sub Tex	✓	✓	✓	✓
V-Ray Multi Sub Texture Randomization			✓	✓
V-Ray Normal Map	✓	✓	✓	✓
V-Ray OCIO		✓	✓	✓
V-Ray OSL Texture		✓	✓	✓
V-Ray Particle Texture		✓	✓	✓



TEXTURES FEATURES



3ds Max

Feature	V-RAY 2.5 2010-2014	V-RAY 3.0 2014	V-RAY 3.4 2016	V-RAY 3.6 Latest-2017
V-Ray Ptex	✓	✓	✓	✓
V-Ray Sampler Info Texture	✓	✓	✓	✓
V-Ray Sky	✓	✓	✓	✓
V-Ray Sky Hosek			✓	✓
V-Ray Sky Ground Albedo			✓	✓
V-Ray Softbox		✓	✓	✓
V-Ray Triplanar Texture			✓	✓
V-Ray User Color		✓	✓	✓
V-Ray User Scalar		✓	✓	✓

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