Compare	Standard	Pro
Overview		
Surface decals	✗	✓
Volumetric fire	✗	✓
Metallic car shader	✗	✓
Fine-detail Nature	✗	✓
Customizable 3D Grasses	✗	✓
Fur	✗	✓
Soften hard edges	✗	✓
Foliage for materials	✗	✓
Area and line lights	✓	✓
Content library	**2,229 assets**	**6,903 assets**
Animated 3D people and animals, some from AXYZ Design	**111 characters**	**354 characters**
Ambient sound effects	✗	**123 sound effects**
Volumetric lights effect	✗	✓
Animated phasing	✗	✓
Rain streaks	✗	✓
Aurora Borealis	✗	✓
Precipitation	✗	✓
Speedray™ Reflections	✗	✓
Title	**Limited title effects**	**27 title effects 12 built-in fonts Support for custom fonts**
Main movie Sound effect	✗	✓
OpenStreetMaps with satellite and height maps	✗	✓
Merge project files (for projects with multiple users)	✗	✓
Workflow		
Scene editor / Tools		
Organize your scene with multiple layers	✓	✓
Easy model placement	✓	✓
Intuitive material editing	✓	✓
Landscape editing and rendering	✓	✓
Advanced sky and cloud rendering	✓	✓
Realistic water rendering	✓	✓
Upgraded OpenStreetMap import (with height and satellite maps)	✗	✓
Landscape editor / Tools Responsive terrain elevation editor		
Responsive terrain elevation editor	✓	✓
Custom terrain material sets	✓	✓
Custom terrain texture import	✓	✓
Terrain texture paintbrush	✓	✓
Customizable landscape grasses with scatter objects (weeds, leaves, stones)	✓	✓
Custom water planes	✓	✓
Ocean tool with waves slider, turbidity, color	✓	✓
Waterfall materials	✓	✓
Movie editor		
Intuitive camera animation editor	✓	✓
Sun/sky animations	✓	✓
Add title screens, scene and post-processing effects	✓	✓
Animation	✓	✓
Animation import (move/rotate/scale animations)	✓	✓
Keyframe-based animation	✓	✓
Animated effects	✓	✓
Merge project files for team collaboration	✗	✓
Import & LiveSync		
3D model import:		
Collada (.dae)*, SketchUp® (.skp), Autodesk® (.fbx)*, Autodesk® (.dwg), Autodesk® (.dxf), 3DS Max® (.max), 3DS Max® (.3ds), Wavefront (.obj)	✓	✓
LiveSync® compatibility for:		
• AutoCAD® • SketchUp® • Revit® • Allplan® • ArchiCAD® • Rhino 6® and newer • Vectorworks® • BricsCAD® • Autodesk FormIt®	✓	✓
Image import:		
tga, .dds, .psd, .jpg, .bmp, .png	✓	✓
Material map import:		
PBR compliant maps	✓	✓
Video import (.mp4)	✓	✓
Lightmap import:		
e.g. from AutoDesk® 3D Studio Max	✓	✓
Custom IES spotlights	✓	✓
2D background sound/music (.wav)	✗	✓
Model and material variation options	✓	✓
**Animation import (move/rotate/scale animations)*		
Output		
Output image resolution	**1280×720 (0.9 Megapixel), 1920×1080 (2.1 Megapixel), 3840×2160 (8.4 Megapixel), 7680×4320 (33.2 Megapixel)**	**1280×720 (0.9 Megapixel), 1920×1080 (2.1 Megapixel), 3840×2160 (8.4 Megapixel), 7680×4320 (33.2 Megapixel)**
Output formats:		
MP4 (AVC codec), JPG, TGA, BMP PNG	✓	✓
Output video resolution	**640×360 (480p), 1280×720 (720p), 1920×1080 (1080p), 2560×1440 (1440p), 3840×2160 (4K), Output to image sequence: Max 3840 × 2160px**	**640×360 (480p), 1280×720 (720p), 1920×1080 (1080p), 2560×1440 (1440p), 3840×2160 (4K), Output to image sequence: Max 3840 × 2160px**
Output video frame rates:		
25/30/60/200	✓	✓
Output to MyLumion® 360 Panoramas	✓	✓
Output 360 panoramas for the Samsung Gear VR and Oculus Rift	✓	✓
Additional output maps (depth, normal, specular reflection, lighting, sky alpha, material ID)	✓	✓
Output of sound in MP4	✓	✓
Assets		
Object Library assets		
Total number of objects	2,134	6,709
• Animated nature • Animated 3D people • Animated animals (birds, farm animals, pets, fish) • Animated children	✓	✓
Fine-detail Nature		
Plants	3	68
Trees	3	162
Nature		
Broadleaf	232	697
Cactus	1	3
Clusters	0	35
Conifers	46	137
Flower	100	306
Forest wood	28	96
Grass	23	66
Leaf	12	36
Leafless trees	6	22
Palm	29	90
Plants	59	181
Rocks	26	82
Weeds	28	86
Objects		
Seating	163	488
Tables	65	197
Electronics and appliances	36	108
Kitchen	103	310
Lighting	49	148
Decoration	195	586
Storage	92	276
Plumbing	21	64
Food and drink	80	243
Assorted	78	236
Garden	79	240
Outdoor	220	666
People and Animals		
Animals - 3D - Silhouettes	11	34
Birds	4	13
Boys - 3D	0	12
Farm Animals	4	11
Girls - 3D	0	10
Marine Life	2	7
Men - 3D	60	179
People - 2D	29	84
People - 2D - Silhouettes	28	84
People - 3D - Silhouettes	19	56
People - 3D - Static	62	195
Pets	1	4
Women - 3D	51	153
Material Library assets		
Total number of materials	1,341	1,452
Various terrain materials	✓	✓
Nature, indoor, outdoor materials		
Customizable 3D grass material	✗	14
Fur	✗	10
Leaf materials	✗	9
7 Material types (Water, Glass, Billboard, Lightmap, etc.)	✓	✓
Custom materials library	✓	✓
Environment & weather		
• Real Skies • 42 landscape types • 6 water types • Customizable weather (cloud cover, sun position) • Ocean with waves slider, turbidity, color • Waterfall materials	✓	✓
Water presets	20	20
Surface decals	✗	142
3D ambient sound	✗	**123 sound effects**
Title effect styles	**14 basic styles**	**27 styles**
Text-in-3D-Scene	✗	✓
Customizable license plates	**10 countries & all U.S. states**	**10 countries & all U.S. states**
Volumetric fire	✗	8
Lights and utilities	42	44
Spotlights/Omni lights	✓	✓
Area/Line lights	✓	✓
Utilities	✓	✓
** Some vegetation and foliage made with SpeedTree Modeler.*		
Effects		
Movie & photo effects		
Concept: Outlines, Sketch, Pastel Sketch	✓	✓
Architectural: Photo Matching, Sun Study, 2-Point Perspective, Blueprint, Styrofoam, Orthographic views	✓	✓
Lighting: Real Skies, Sun, Shadow, Reflection, Sky Light, Hyperlight, God Rays, Global Illumination, Volumetric Sunlight, Ray tracing	✓	✓
Lighting: Volumetric lights, Speedray Reflections	✗	✓
Sky & Weather: Sky and Clouds, Fog, Contrails, Volume Clouds, Wind, Horizon Cloud, Moon, Autumn Colors	✓	✓
Sky & Weather: Aurora borealis, Precipitation	✗	✓
Camera: Handheld Camera, Exposure, Depth of Field, Lens Flare, Chromatic Aberrations, Fish Eye, Tilt Shift	✓	✓
Animation: Mass Move, Fade in/out, Advanced Move, Move, Time Warp, Motion Blur, Animate Light Colors	✓	✓
Animation: Animated phasing	✗	✓
Artistic: Painting, Watercolor, Manga, Cartoon, Oil Painting	✓	✓
Enhancements: Color Correction, Analog Color Lab, Vignette, Bloom, Sharpen, Noise, Selective Saturation, Bleach	✓	✓
Tools/Utilities: Image Overlay, Side By Side 3D Stereo, Print Poster Enhancer, Layer Visibility, Variation Control, Near Clip Plane, Water, Material Highlight	✓	✓
Tools/Utilities: Sound	✗	✓
Special effects		
Total number of special effects	104	254
Fire	16	24
Fog	17	17
Fountains	48	48
Leaves	3	3
Smoke	20	20
Decals	0	142
Miscellaneous		
Languages	**English (default language), Chinese, Chinese (TW), Czech, Danish, Dutch, French, German, Greek, Hebrew, Italian, Japanese, Korean, Norwegian, Polish, Portuguese (BR), Russian, Spanish (ES), Turkish, Slovak**	**English (default language), Chinese, Chinese (TW), Czech, Danish, Dutch, French, German, Greek, Hebrew, Italian, Japanese, Korean, Norwegian, Polish, Portuguese (BR), Russian, Spanish (ES), Turkish, Slovak**
Internet connection required	✓	✓