

Vectorworks Spotlight 2013 - Features List

A comprehensive array of multi-modal 2D precision drafting tools.

- Rectangles
- Triangles
- Polygons
- Double Polygon
- Circles
- Ovals
- Polylines
- Lines
- Double Lines
- Arcs
- Spirals

A suite of powerful free-form 3D modeling commands and tools based on the Parasolid model kernel.

- Automatic Working Plane
- Add/Subtract/Intersect Solids
- Add/Clip/Intersect/Combine Surfaces
- Extrudes and Sweeps
- Platonic Solids
- Surface Array
- NURBS Curves & Surfaces
- Meshes
- Stitch & Trim Surfaces
- Extract Surfaces from Solids
- Push/Pull
- Loft Surface
- Shells
- Auto Hybrid

Robust navigation and editing tools to easily and intuitively view and modify your designs in 2D or 3D.

- Smart Cursor
- Create/Select Similar
- Select Coincident Objects
- Create Objects from Shapes
- Eye Dropper
- Connect/Combine
- Attribute Mapping
- 2D Geometry Constraints
- 2D XRay Mode
- Flyover
- Clip Cube
- Full-Screen Perspective
- OpenGL Shadows
- Move by Point
- Reshape
- Rotate 2D/3D
- Mirror
- Trim
- Join
- Clip
- Split
- Offset
- Fillet
- Chamfer
- Align/Distribute
- Scale
- Divide

Intelligent industry-specific and general modeling objects enable high-quality 2D and 3D workflows.

- Parametric Straight & Curved Trusses
- Lighting Instruments
- Photometer
- Photometric grid
- Soft Goods
- Seating Layout
- Human Figure
- Tables & Chairs
- TVs, Projectors, Video & LED Screens
- Stages & Podiums
- Speaker & Speaker Array
- Stairs and Ramps
- Columns, Pilasters, & Pillars
- Multi-component Walls
- Wall Features
- Doors and Windows
- Cabinets, Counters & Shelving
- Desks & System Furniture

Vectorworks Spotlight 2013 - Features List Continued

Power tools to enhance Vectorworks' unique and flexible event and entertainment design workflows.

- Number Instruments/ Auto Numbering
- Focus Instruments
- Create Gobo Texture
- Create shutter cuts
- Draw 2D & 3D light beams
- Attach light accessories
- Similar object creation
- Use Multicircuit
- Automatic universe assignment
- Layout focus points
- Generate Paperwork
- Inventory reports
- Channel hookups
- Magic sheets
- Dimmer hookups
- Color cut lists
- Circuit hookups
- Instrument schedules
- Color schedules
- Animate Scenes
- Manage Scenes
- Model, Plan, Section, & Detail Viewports
- Automatic Drawing Coordination
- Model Referencing
- Resource Referencing
- Two-Way Database Worksheets
- Image support in Worksheets
- Custom Data Records & Reporting
- External Database Connectivity (ODBC)

Create stunning presentations and distinguished documentation with extensive annotation and detailing tools.

- Hyperlinks
- Parametric Sheet Borders
- Object-based Line Types
- Perfect Preview Text
- Text Styles
- Callouts/Keynotes
- Align/Distribute Leader Lines
- Notes Manager
- Label Legend Manager
- Redline & Revision Control
- Parametric notation objects
- Multimodal Constrained Dimensions
- 3D & Planar Dimensioning
- Gradients
- Tile fills
- Image fills
- PS Pattern fills
- Vector Hatches
- 2D/3D Sketch-style rendering
- Repetitive Unit tool
- Linear Material tool
- 2D/3D wood & metal detail objects
- 2D/3D fasteners
- 2D/3D machine components
- Unlimited Color Choices including palettes from Pantone®, Benjamin Moore®, Sherwin-Williams®, Resene®, Pittsburgh Paints®, & more

Sharing your models, drawings, and data is very simple with a broad array of import/export options.

- ESP Vision
- Lightwright
- DXF/DWG
- DWF
- PDF
- .3DS
- .3DM (Rhinceros)
- .IGES
- .SAT
- .STL
- CINEMA 4D
- .SKP (Sketchup)
- .KML (Google Earth)
- COLLADA (Renderworks Required)
- FBX (Renderworks Required)
- Parasolid X_T
- HDRI (Renderworks Required)
- QuickTime VR object or Panorama
- ODBC
- Images (including JPG, TIF, PSD, EPSF, PICT, PNG, BMP)

Visualizing designs is easy using a series of commands and rendering options available with Renderworks.

- CINEMA 4D Rendering Engine
- Atmospheric effects
- Volumetric lighting
- Renderworks Styles
- Image-based textures
- Shaders for realistic materials
- Artistic / Non-photo-realistic rendering
- Helidon
- Physical Sun & Sky
- Render physical light with .ies light distribution files
- Solar Animations
- Non-blocking Rendering

Vectorworks Spotlight 2013 - Features List Continued

High quality gobo catalogs from these manufacturers.

- Apollo
- GAM
- GOBOLAND
- GoboMan
- High End Systems
- Lee
- Rosco

Extensive symbol libraries from all the major manufacturers.

- Atlas Sound
- d&B Audiotechnik
- EAW Audio
- Meyer Sound
- Nexo
- ADB Lighting
- Altman
- Apollo Accessories
- City Theatrical
- Clay Paky
- Coemar
- DTS
- ETC
- James Thomas
- LSD-Icon
- Lycian
- Martin
- Mole-Richardson
- NSI Colortran
- Powerline
- Robe
- Robert Juliat
- Strand
- USITT
- Wybron
- Varilite
- Xenotech
- Eurotruss

Generic object libraries to enhance your designs.

- Annotation symbols
- Audio bumpers
- Audio equipment
- Banquet furniture
- Cabinet pulls
- Door hardware
- Entourage figures,
- vehicles & trees
- Fireplace fronts
- Furnishings & scenic elements
- General seating
- Generic speakers
- Hardware
- Landscape lighting
- LECTERNS
- Lighting equipment & accessories
- Lighting fixtures
- Molding profiles
- Projectors
- Ramps
- Screen images
- Steel Shapes
- Televisions
- Trusses
- Video screens & stands
- Water features

Additional resource libraries for Vectorworks Service Select customers.

- PerdueAcoustics
- Yamaha
- Altman
- ARRI
- Ayrton
- ChromaQ
- Clay Paky
- Coemar
- Color Kinetics
- ETC
- GLP
- High End
- IPix
- JB Lighting
- Martin
- Morpheus
- PR Lighting
- Selecon
- SGM
- Strong
- Varilite
- InLight Gobos
- Additional HDRI backgrounds & textures for Renderworks