Introducing:

VidCAD© SQL Engineer

VidCAD© SQL Lite
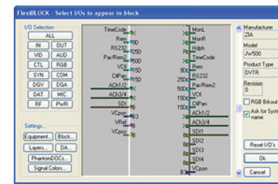
VidCAD© SQL Diagram

A Few Benefits of Implementing VidCAD:

AUTOMATE DESIGN!

Easily create projects with multiple drawing styles.
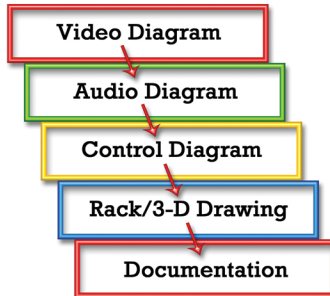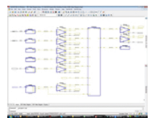
Concept

Diagram

Rack Elevation/3-D

VIRTUALLY ELIMINATE DRAFTING!

DVTR01

No Drafting!

Simply select the equipment I/O's you want to display and VidCAD will draft the block for you, based on style settings that can be easily modified.

CHANGE GLOBALLY & EASILY!

Change cable or equipment info in ONLY 1 drawing…

- Video Diagram
- Audio Diagram
- Control Diagram
- Rack/3-D Drawing
- Documentation

and all other drawings and facility data automatically update to reflect changes!

AUTOMATE DOCUMENTATION!

No more TYPING!
Create reports simply inside of VidCAD. Reports are then easily exported to other software or a PDF writer.

Cable Cut List

Jumper Schedule

ReDoIt Equipment Error Log

Equipment List

AUTOMATE CABLE LABELS!

Create basic single cable number labels

OR

Create intelligent cable labels that include the source and destination equipment and connection name as well as the source and destination rack information.

Either type of cable label can be generated with virtually no typing to any type of label printer.

CUSTOMIZE DRAWING STYLES!

Easily change VidCAD drawing templates to custom drawing styles so all users draw to the same standards.
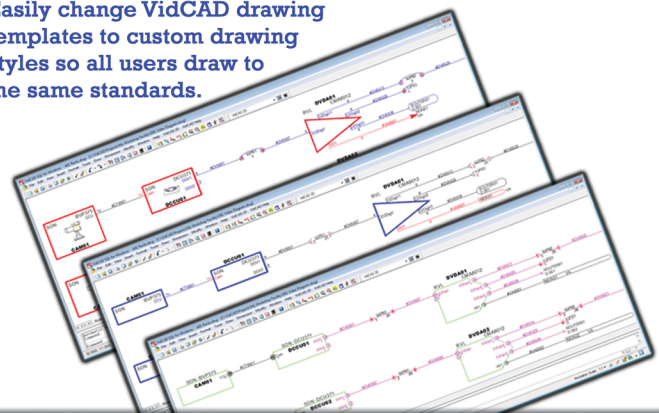
SIMPLIFY CONNECTOR PIN-OUT DETAILING!

Easily create custom pin-out detail drawings to ease installation and maintenance.

DB 25 Female Pinout

DB 25 Male RS232 Pinout

PIN	Operation
1	Shield
2	TD Transmitted Data
3	RD Received Data
4	RTS Request to Send
5	CTS Clear to Send
6	DSR DCE Ready
7	Common Return
8	DCD Rcvd Line Signal Detector
9	+DC Test Voltage
10	-DC Test Voltage

DB15 MALE

VGA WIRING

1	RED
2	GREEN
3	BLUE
	RED SHIELD
	GREEN SHIELD
	BLUE SHIELD
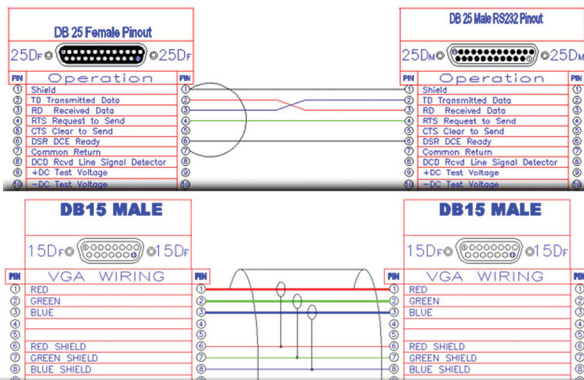
IMPROVE ERROR CHECKING!

When creating documentation for installation staff, do you cross your fingers and say a little prayer hoping that everything is correct? With VidCAD you can run reports that search the database for equipment and cables that are not in the database.

So that you no longer have to cross your fingers, and can be confident that everything is connected and documented!

ReDoIt Equipment Error Log

ReDoIt Cable Error Log

To Get Started with VidCAD, Simply...

Choose your VidCAD Level:

Engineer

Lite

Diagram

Choose your CAD Engine:

AutoCAD

AutoCAD OEM

Bricscad Pro

Start Saving Time & $$$ with your Custom VidCAD System

Harnessing the power of AutoCAD® or Bricscad and Microsoft® SQL, VidCAD has built the most powerful design and documentation suite available to design engineers. As the world's leading design and documentation tool, VidCAD SQL delivers an application that virtually eliminates drafting and typing when generating schematics, rack elevations and documentation of voice, video, data and security.

VidCAD SQL is used by a wide range of companies in the private sector, education and government, including areas such as:
- ✔ Broadcast (TV & Radio)
- ✔ Satellite
- ✔ A/V
- ✔ IT/Data
- ✔ Telecommunications
- ✔ Security
- ✔ Command & Control (C2, C4ISR)
- ✔ Technology in Worship

If you are looking for a design and documentation solution that goes beyond what typical out-of-the-box software provides, you have found it! VidCAD SQL utilizes the productivity and efficiency of AutoCAD®, the world's leading CAD application, or Bricscad, and adds to it many automated tools and the strength and security of having all the design elements complemented by a Microsoft® SQL database. VidCAD SQL integrates 100% with AutoCAD® or Bricscad and creates TrustedDWG® files in AutoCAD®. This integration also allows engineers to incorporate architectural floor plans into their projects.

As voice, video and data systems become increasingly complex, the need for high quality documentation for ease of management increases proportionally. When this occurs, design and maintenance personnel are expected to accomplish mounting numbers of tasks in the same amount of time. Thanks to the database structure in VidCAD SQL, all changes and updates to a project are automatically updated when changes are made in the design. This means that engineers no longer have to update other drawings, spreadsheets, labels, etc. Whenever a change is made, all the elements affected by the change are automatically updated inside of VidCAD SQL.

VidCAD SQL Diagram ©
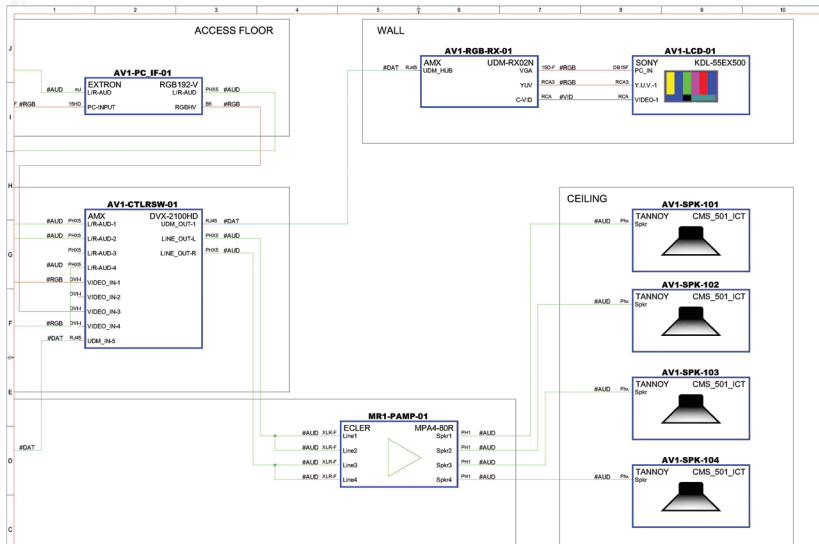
VidCAD Diagram is a basic 2D only version of VidCAD. Offering the same powerful tools as the rest of the VidCAD family of products, VidCAD Diagram makes quick work of both Concept and Diagram drawings. For basic projects that don't require rack layouts, or for team members that work on more complex projects but only contribute to Concept and Diagram drawings, VidCAD Diagram is a great starting package. With access to the VidCAD database and all of the automated reporting tools, creating reports, cable labels, etc. has never been easier!
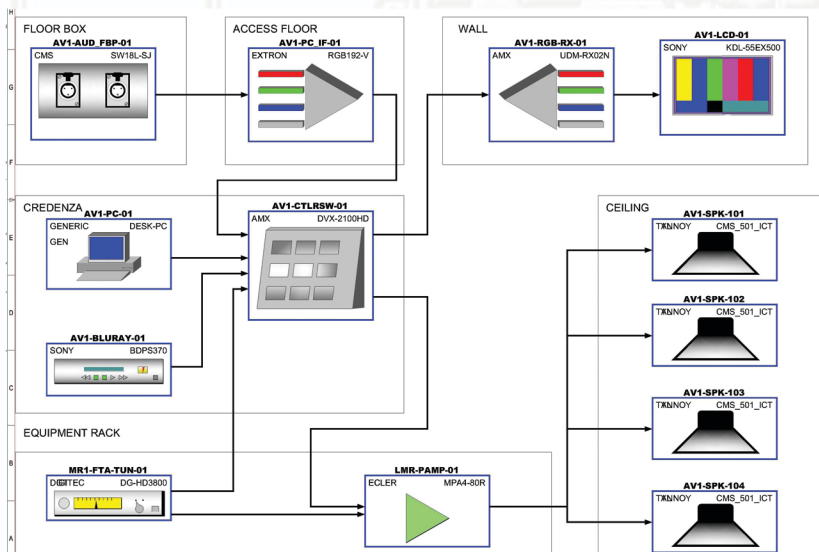
VidCAD Diagram Features

2 Drawing Types
- Concept: management overview style
- Diagram: complete point to point wiring

Title Block Automation
- Automates creation of new sheet sets, drawings, and title blocks

Real or phantom mode in drawings
- Real mode enters all the drawing information in the database
- Phantom mode creates cables and equipment, but entry in the database is delayed until later (e.g. after customer makes changes, but before installation)

Export/Import projects
- Share projects (including library items) between users with this easy to use function

Create new equipment with virtually NO drafting
- Simply select the equipment I/Os and dimensions and VidCAD drafts the block

Recall equipment into new drawings
- Easily bring project equipment into new drawings (e.g. rack, audio, control)

Easily check for errors
- Quickly and easily find cables and equipment that are missing from drawings or from the database

Automatically create reports and labels
- No more TYPING! Simply create reports and labels inside of VidCAD
- Reports and labels are easily exported to Microsoft Excel or other software, or printed to your PDF writer

Flexible cable numbering options
- Sequential cable numbers
- Numbering based on jack or panel I/O
- Numbering by signal types, with automatic layer management

Create InterCONNECT reports
- These trouble-shooting drawings trace signal paths from any equipment with I/Os

Make changes globally
- Use VidCAD's Global Editing tools to update multiple drawings and the database when making changes

Easily customize templates
- Easily change VidCAD drawing templates to custom drawing styles so all users draw to the same standards

New CAD Engine Options
- VidCAD runs on full AutoCAD or can come packaged with a run time version of AutoCAD
- VidCAD also runs on Bricscad Pro

Top of the line support for users

VidCAD Lite Features

3 Drawing Types

- Concept: management overview style
- Diagram: complete point to point wiring
- 2-D Rack Elevations

Automated 2-D Rack Building Tool

Title Block Automation

- Automates creation of new sheet sets, drawings, and title blocks

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- Real mode enters all the drawing information in the database
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Export/Import projects

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Flexible cable numbering options

- Sequential cable numbers
- Numbering based on jack or panel I/O
- Numbering by signal types, with automatic layer management

Create jack panel drawings & InterCONNECT reports

- These trouble-shooting drawings trace signal paths from any equipment with I/Os

Make changes globally

- Use VidCAD's Global Editing tools to update multiple drawings and the database when making changes

Easily customize templates

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New CAD Engine Options

- VidCAD runs on full AutoCAD or can come packaged with a run time version of AutoCAD
- VidCAD runs on Bricscad Pro

Top of the line support for users

VidCAD SQL Lite

VidCAD Lite is a high level 2D only version of VidCAD. Offering the same powerful tools found in VidCAD Diagram, VidCAD Lite also adds tools to create 2D Rack Layouts, Jack Panel drawings and InterCONNECT drawings. For basic to complex projects that require 2D rack layouts, or for team members that work on everything but 3D project elements, VidCAD Lite is a great starting package. With access to the VidCAD database and all of the automated reporting tools, creating reports, cable labels, etc. has never been easier!
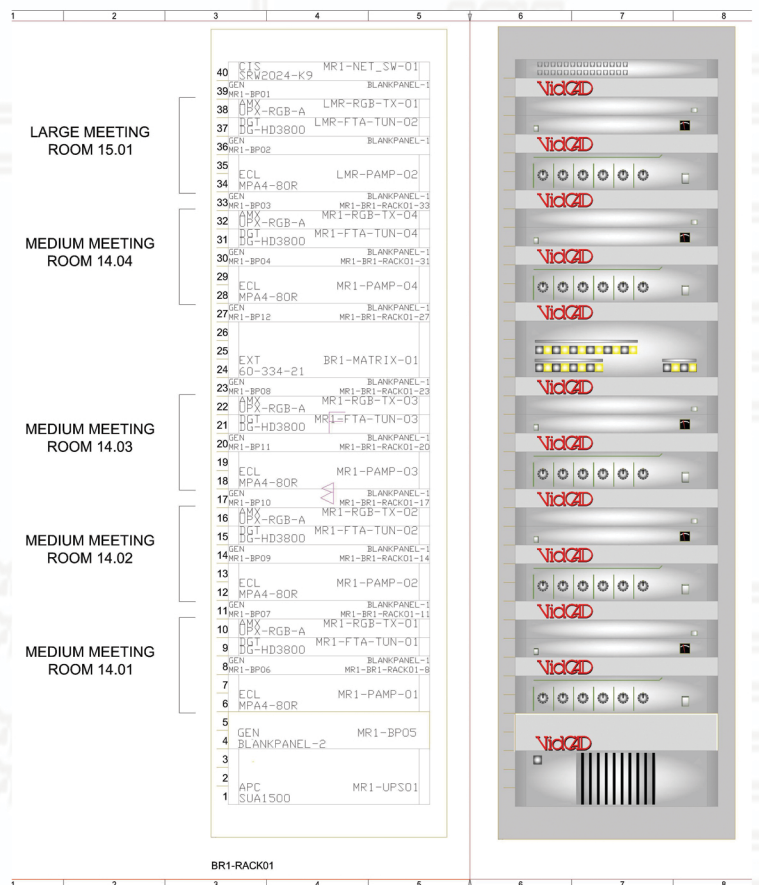
This is an example of a 2D Rack created with the new VidCAD 2D rack tool, through which 2D racks can be left as simple wire frames or can utilize the included options for enhanced realism. No crazy AutoCAD skills necessary!

VidCAD SQL Engineer

Training Room

Classroom

2-D CEILING PLAN
SCALE: 1/8" = 1'0"
R10
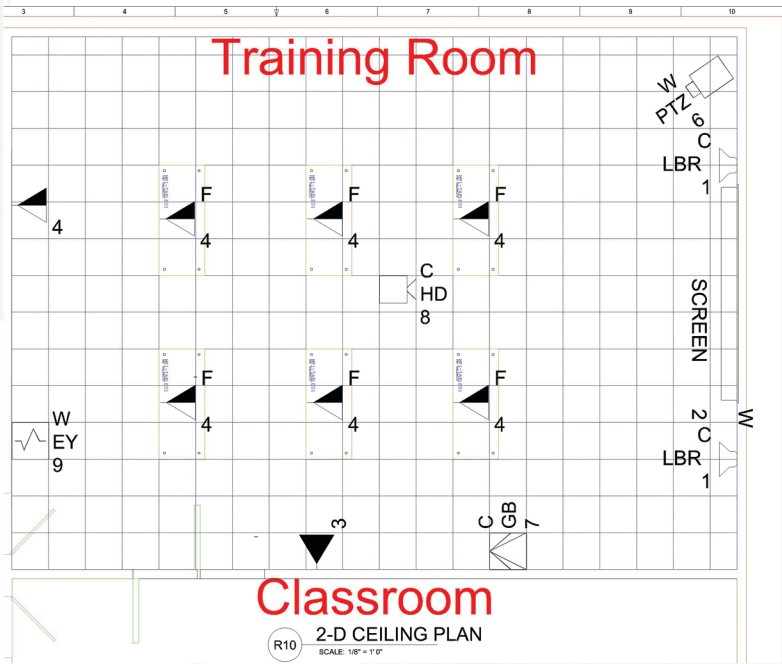
The flagship VidCAD product, VidCAD Engineer is the ideal engineering tool for any type or size of project. From basic Concept Drawings to 2D Diagram Drawings and Rack Layouts to 3D Room and Rack Layouts, VidCAD Engineer automates the entire project.
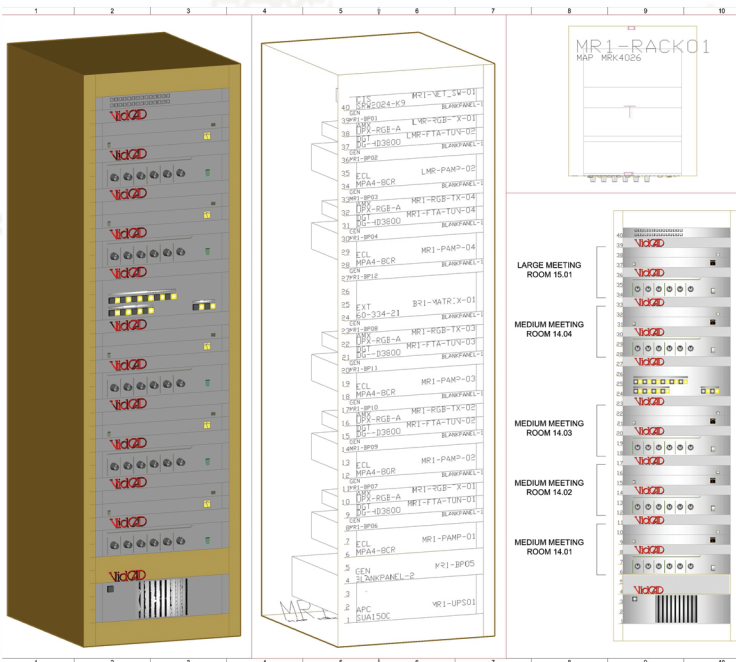
VidCAD Engineer Features

4 Drawing Types
- Concept: management overview style
- Diagram: complete point to point wiring
- 2-D Rack Elevations
- 3-D Rack Elevation and Floor Plans

Title Block Automation
- Automates creation of new sheet sets, drawings, and title blocks

Real or phantom mode in drawings
- Real mode enters all the drawing information in the database
- Phantom mode creates cables and equipment, but entry in the database is delayed until later (e.g. after customer makes changes, but before installation)

Export/Import projects
- Share projects (including library items) between users with this easy to use function

Create new equipment with virtually NO drafting
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Flexible cable numbering options
- Sequential cable numbers
- Numbering based on jack or panel I/O
- Numbering by signal types, with automatic layer management

Create jack panel drawings & InterCONNECT reports
- These trouble-shooting drawings trace signal paths from any equipment with I/Os

Make changes globally
- Use VidCAD's Global Editing tools to update multiple drawings and the database when making changes

Easily customize templates
- Easily change VidCAD drawing templates to custom drawing styles so all users draw to the same standards

Cable length estimations

Architectural drawing tools
- Creates 3-D doors, windows and walls on architectural floorplans

New CAD Engine Options
- VidCAD runs on full AutoCAD or can come packaged with a run time version of AutoCAD
- VidCAD runs on Bricscad Pro

Top of the line support for users

CAD Engine Options:

For the past 25 years, VidCAD has solely developed on the AutoCAD® platform, with the VidCAD system functioning on either a full license of AutoCAD® or coming packaged with a run-time version of AutoCAD®. AutoCAD® is widely recognized as the industry leader in CAD programs, and VidCAD looks forward to a continued relationship with Autodesk and the CAD solutions they develop.

Not all VidCAD users, however, are looking for a solution solely based on AutoCAD®. The VidCAD team has spent countless hours researching alternative CAD engines, and all this hard work has finally paid off for our users! VidCAD is pleased to announce that beginning with the release of VidCAD SQL 3.5 in the fall of 2010, VidCAD is now compatible with Bricscad Pro. Bricscad Pro is hands down the #1 alternative .dwg-based CAD software available on the market today. The ability to run VidCAD on Bricscad Pro offers VidCAD users a new level of flexibility in pricing without sacrificing any of the key functionality needed for a top of the line engineering solution.

Please visit www.vidcad.com for the latest information on which versions of both AutoCAD and Bricscad Pro are compatible with VidCAD.

Networking Options:

All VidCAD products have the option of being run as standalone licenses or as networked licenses including sharing of libraries, projects and license files.
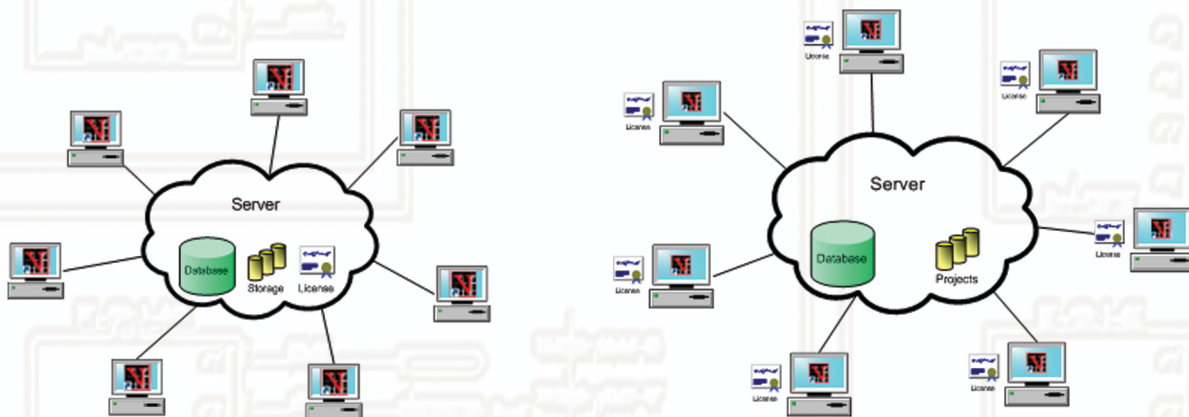
Support & Upgrades:

VidCAD support and upgrade packages are now available through the VidCAD Mastermind membership program. Going far beyond basic technical support and upgrade packages, the Mastermind membership program includes access to regular VidCAD webinars, a user forum, a blog by the VidCAD Tech Support team with many useful hints and tips, and much, much more. For more details, visit www.vidcad.com.

Special thanks to Peter Blackmore from AVDEC Pty Ltd. for the drawing ideas incorporated in this document!

Comparison of VidCAD Products

	Engineer	Lite	Diagram	Assist	Installer
CAD Options					
Compatible with Full AutoCAD 2007 - 2011	✔	✔	✔	—	—
Compatible with VidCAD OEM 2008	✔	✔	✔	—	—
Compatible with Bricscad v11Pro	✔	✔	✔	—	—
Integrated with DWG TrueView 2011	✔	✔	✔	✔	✔
Integrated with Autodesk Design Review 2011 for Markups	✔	✔	✔	✔	—
2-D Design					
Creates Concept Level Design Drawings	✔	✔	✔	—	—
Creates Diagram Drawings (aka. functionals, interconnects,etc)	✔	✔	✔	—	—
Cable I/Os Checking will not allow multiple connections to the same I/O	✔	✔	✔	—	—
Customize your own design style (attribute size and location, font styles, number of I/Os and signal shown, border width, spacing and I/O type)	✔	✔	✔	—	—
Custom Pinout Drawings to ease installation and maintenance	✔	✔	✔	—	—
Customizable Cable Numbering templates based on Signal Type	✔	✔	✔	—	—
Design on existing 2-D Floorplans (from architect or other source)	✔	✔	—	—	—
2-D Architectural drawing tools (wall, window, door, ceiling, floor)	✔	✔	—	—	—
Rack Elevation Design					
Creates 2-D Rack Elevations	✔	✔	—	—	—
Creates 3-D Rack Elevations	✔	—	—	—	—
Fully Automated Drafting of 3D Blocks	✔	—	—	—	—
3-D Room Design					
Design on existing 2-D Floorplans (from architect or other source)	✔	—	—	—	—
Create 3-D Room layouts	✔	—	—	—	—
Architectural drawing tools (wall, window, door, ceiling, floor)	✔	—	—	—	—
Create Cable Trays and Conduit	✔	—	—	—	—
Automatically Calculate Cable Length	✔	—	—	—	—
Reporting Tools					
Cable and Equipment Error Checking compares all drawings and and the database and notifies you of any inconsistencies	✔	✔	✔	✔	✔
Print Cable Lables to Sheets or Handheld Printers	✔	✔	✔	✔	✔
Cable Run Lists	✔	✔	✔	✔	✔
Equipment Run Lists	✔	✔	✔	✔	✔
Cable Bill of Materials	✔	✔	✔	✔	✔
Connector Bill of Materials	✔	✔	✔	✔	✔
Easily build custom reports	✔	✔	✔	✔	✔
Export Report Data to Excel	✔	✔	✔	✔	✔
INTERCONNECT Drawing - Graphical report of entire signal path	✔	✔	✔	—	—
Jack Panel Reports - Jack designation strips and rear connection guides drawn instantly without typing or drafting	✔	✔	—	—	—
Maintaining Drawings and Project Data					
Cable Renumber - Renumbers cables across all drawings and database	✔	✔	✔	—	—
Rename Equipment - Renames equipment globally in all drawings and database	✔	✔	✔	—	—
Redline - Change one model for another across across all project drawings	✔	—	—	—	—
Blueline - Globally mark equipment and cables for deletion on a future date	✔	—	—	—	—
Equipment Connections - Instantly shows what ables are attached to specific equipment.	✔	✔	✔	—	—
Modify Project Equipment and Cable information from a data grid	✔	✔	✔	✔	—
Create and maintain project data from the main menu	✔	✔	✔	✔	—
Maintaining Equipment Library					
Access to the VidCAD EquipmentLibrary	✔	✔	✔	✔	—
Includes tools to define new library equipment in 2-3 minutes	✔	✔	✔	✔	—