



VP HybridCAD[®]

RASTER AND VECTOR UNITED

V9

Products and Specifications

For 15 Years the No.1 in Raster-Vector Technology



 **softelec**
ALWAYS AHEAD



VP HybridCAD®

RASTER AND VECTOR UNITED

VPHybridCAD Series



Strong on Small Formats:

- Black & White
- Auto-Vectorization up to A2 (C Size)
- Advanced Correction Tools



Entry Level HybridCAD:

- Black&White and Color
- Hybrid Editing with Basic Functionality
- Automatic Clean-Up



100% Hybrid Power:

- Black&White and Color
- Complete Hybrid Editing
- Direct LF Scanner Support
- Custom Commands/Scripts



High-End on Monochrome:

- Black&White
- Full Functionality
- Auto-Vectorization
- Custom Commands/Scripts



High-End HybridCAD:

- Black&White and Color
- Full Functionality
- Auto-Vectorization
- Custom Commands/Scripts

For product details see "Specifications"

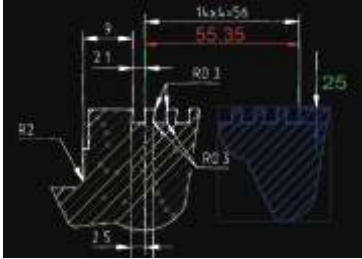


V9

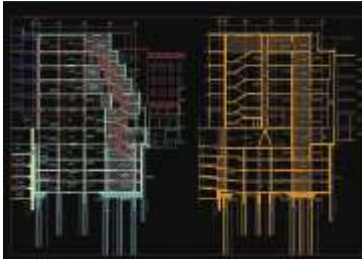
VPHybridCAD - Productivity With Ease

It's that easy and efficient to employ digital processing and editing on your scanned drawings: with only a few clicks of your mouse VPHybridCAD will do the job. VPHybridCAD enables you to make quick changes, corrections, or conversions on technical drawings, drafts, and sketches. No matter the original paper size of your documents is. And, finally, you will be able to exploit the true value of your drawing archives while increasing your organization's productivity with ease.

You are well aware of the high expenditures for redrawing your legacy drawings? This is why thousands of designers, architects, and drafting specialists in construction or technical documentation rely on VPHybridCAD in a vast number of application fields.



Raster like CAD: Stunning



CAD to TIF: No Losses



Scan and Clean-Up: Only 2 Minutes

VPHybridCAD: Make Paper Content Smart

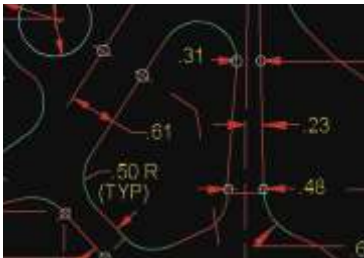
With stunning tools and functions VPHybridCAD software not only improves the quality of your scans, but it also provides a direct and intelligent access to control the content of your scanned drawings. To suit your requirements best VPHybridCAD offers five different and specialized products. You can choose from the entry level VPraster edit up to the all-inclusive hybrid and conversion suite VPstudio. Your application will define the product choice:

- You mainly want to process black&white drawings - or colored documents, too?
- You are looking for software tools designed for quick drawing revisions or corrections which are truly easy-to-use?
- You need to delete certain details, then conveniently change or replace elements, dimensions, or text?
- You are planning to use reliable and speedy conversion of your drawings into CAD format?
- You wish to store your CAD drawings in TIF files - without loss of information?

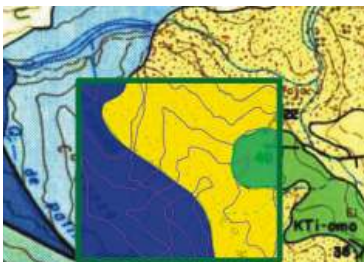
VPHybridCAD always provides a professional and efficient solution for these and other needs.

VPHybridCAD is especially designed for these application fields:

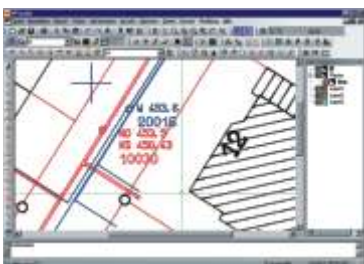
- Mechanical Construction
- Plant Engineering
- Building Construction
- Civil Engineering, Facility Management
- Energy Supplies
- Infrastructure Planning



Vectorization: Fast and Accurate



B/W or Color: No Limitations



Functionality: Unbeatable

"RASTER AND VECTOR UNITED!"

In a truly unique manner VPHybridCAD software combines advanced functionality of two different user worlds: CAD and image processing, vector and raster. Operations formerly realizable only by using various single software programs have been integrated seamlessly in VPHybridCAD. This superior technology offers new application possibilities you may have never thought of before. Take full advantage of the information contained in your scanned drawings and in all other similar documents. Plus, you can use VPHybridCAD in a network or in single mode, inside AutoCAD or stand-alone.

Expanding AutoCAD with RasterDWG

VPHybridCAD products also provide a concurrent operation with AutoCAD. AutoCAD users can utilize all their familiar commands to access both raster and vector data simultaneously, thus overcoming previous slower methods.

The entirely compatible RasterDWG format expands AutoCAD's standard DWG to a universal hybrid data format. The raster data is combined with the AutoCAD vector data and saved to a single RasterDWG hybrid file. This helpful option eliminates broken image file links usually associated with AutoCAD. RasterDWG guarantees straight distribution of hybrid drawings among collaboration partners and across the Internet.

By the way: With all VPHybridCAD products you can make your choice whether you want to run them inside your AutoCAD, or if you prefer stand-alone operation. There are no extra costs! You simply specify the desired working platform of your VPHybridCAD product.





Specifications

All Products can operate under AutoCAD® and Stand-Alone on Windows®

VPlite
VPstudio mono
VPraaster edit
VPraaster
VPstudio

Raster Format Size

Up to DIN A2 ("C") @ 300 DPI, 16,000 x 16,000 Pixels, Max. Total: 36 Million Pixels	■				
Unlimited		■	■	■	■

General Features Available with All Products

TWAIN Support for Generic Scanners (Direct Large Format Scanner Interface see below)	■	■	■	■	■
Extensive Hybrid Editing and Plotting (Raster and Vector)	■	■	■	■	■
Automatic Raster Cleanup (B/W and Color)	■	■	■	■	■
Full Set of CAD Drawing Functions	■	■	■	■	■
Intelligent Object Snap (Raster and Vector)	■	■	■	■	■
Multipage TIF Support	■	■	■	■	■

Enhanced Hybrid Editing

Extended Raster Selection	■	■		■	■
Raster Symbol Search		■		■	■
Text Editing (Raster and Vector)	■	■		■	■
Combine/Clean/Trim Functions for Entities (Raster and Vector)	■	■		■	■
Raster Morphology: Thickening/Thinning of Lines, Opening/Closing of Areas (B/W and Color)		■		■	■
Rubber Sheeting: Multi-Point, 4-Point	■	■		■	■
Extensive Split, Merge Functions		■		■	■
Blocks with Attributes (Raster/Vector/Hybrid)	■	■		■	■
Raster Table Recognition (B/W and Color)		■		■	■
Dimensioning (Raster and Vector)		■		■	■

Color and Gray Scale Management

Automatic Color Cleanup				■	■
Palette Transformation, Color Separation, Binarization				■	■
Automatic/Interactive Color Reduction				■	■

Automatic Raster-to-Vector Conversion

Centerline, Outline (Contour), Mixed Vectorization, Vectorization Wizard for Easy Settings	■	■			■
Recognition of CAD Entities, Hatches, Text (OCR)	■	■			■
Entity/Line Type/Line Width Classification (Layering)	■	■			■
Symbol Recognition	■	■			■

Interactive Tracing/Line Following

CAD Entity Tracing	■	■		■	■
Contour Lines/Polylines Tracing	■	■		■	■

Special Features

Direct Large Format Scanner Interface (Colortrac, Contex, GTCO, Océ, Vidar, Xerox)		■		■	■
Rasterizing (DXF to TIF, DWG to TIF, etc.)	■	■		■	■
Customizable User Commands		■		■	■
Customizable Document Stamp		■		■	■
Annotations and Mark-Ups (Redlining) ²		■		■	■
Symbol Library Manager	■	■		■	■
Batch Processing		■		■	■
Extensive Multipage TIF Management ²		■		■	■

Import Formats¹

Raster: TIF (Uncompressed, Group 3, Group 4, LZW, Packbits), CALS Group 4, PDF, Intergraph (CRL, RLE, CIT), EDMICS, GTX Raster, RLC, PCX, BMP, JPG, GIF	■	■	■	■	■
Vector: DXF, DWG, DGN, HPGL/2	■	■	■	■	■
Hybrid (Raster and Vector): RVD, VCF, CGM, RasterDWG/RDWG	■	■	■	■	■

Export Formats¹

Raster: TIF (Uncompressed, Group 3, Group 4, LZW, Packbits), NIF, CALS Group 4, PDF, Intergraph (CRL, RLE, CIT), RLC, EDMICS, PCX, BMP, JPG, GIF	■	■	■	■	■
Vector: DXF, DWG, IGES, DGN	■	■	■	■	■
Hybrid (Raster and Vector): RVD, RasterDWG/RDWG, CGM, SVG	■	■	■	■	■

Operating System Environment¹

Windows 2000, XP, 2003, Vista (Stand-Alone)	■	■	■	■	■
AutoCAD 2000(i), 2002, 2004, 2005, 2006, 2007, 2008 (integrated AutoCAD Application)	■	■	■	■	■
Floating license network operation	■	■	■	■	■

¹ For Detailed and Updated List check www.softelec.com

² Not Available with AutoCAD

Get your free VPHybridCAD demo program via Internet download - or just ask your supplier for a free program CD.

All functions can be used on a fraction of your own scans.

Get started with:



VP HybridCAD[®]
RASTER AND VECTOR UNITED