HP AI Vectorization

Prepaid Packages

Reduce retracing time by up to 80% with the industry's first cloud-based AI vectorization tool built on real drawings[1]

HP AI Vectorization: Automated Image-to-CAD Conversion

HP AI Vectorization enables the conversion of raster images into clean, editable vector drawings suitable for CAD applications. This tool eliminates the need for manual redrawing of existing plans, significantly reducing time and effort for architecture, engineering, and construction (AEC) professionals.

Traditional digitization methods often produce imprecise results or require outsourcing, which can raise concerns around cost efficiency and data confidentiality. HP's solution addresses these limitations by providing a secure, cloud-based platform that delivers high-accuracy vector outputs with a single click.
Key benefits include:

- Automated vectorization of scanned drawings and images

- CAD-ready output compatible with standard design workflows
- Cloud-based processing for secure and scalable performance
- Improved accuracy over conventional tracing or third-party services

HP Build Workspace

HP Build Workspace is a browser- and mobile-accessible platform designed to streamline architectural, engineering, and construction (AEC) workflows. It centralizes project data, automates repetitive tasks, and facilitates collaboration across teams and stakeholders.

Hosted services such as **HP AI Vectorization** are integrated into the platform, enabling users to convert raster images into CAD-ready vector files directly within their project environment.

Key capabilities **HP Build Workspace** include:

- **Task automation**: tools for vectorization and other manual processes to reduce time spent on repetitive work.
- **Data centralization**: unified access to project files, drawings, and revisions in a secure cloud environment.
- **Cross-platform access**: available via web browser and mobile app for on-site and remote collaboration.
- **Collaboration tools**: designed to support communication between architects, contractors, and clients.

Vectorization

Speed up vectorization with the power of AI

Vectorization is the process by which a scanned plan or a pdf is converted to a vectorial format suitable to be uploaded to AutoCAD.[2]

Boost your design workflow with a multi-layered HP AI engine trained on real architectural and construction plans, reducing errors and minimizing drafting or retracing time.

Accelerate the drafting process by identifying architectural elements—like doors, windows, text, and dashes—with HP AI powered object recognition.

Restore aged and degraded plan drawings with HP AI-powered cleanup and resolution enhancement.

Get accurate, easily editable files

Evaluate and edit the vectorized document quickly with built-in viewer and editor.

Segment complex drawings with intelligent layer separation for easy review. This improves the drafting experience since users can focus on layers one by one.

Reference the original drawing using automatic background image to jumpstart your work.

Simplify and secure workflows

Automate repetitive tasks, transforming images into vectorized files in minutes.

Vectorize files virtually anytime, anywhere using HP's secure cloud-based platform.

Work securely – HP protects your data with trusted cybersecurity protocols, including AES 256 encryption and ISO/IEC 27001:2013.

Prepaid packages

Business model enablement through Tokens

A *token* is the unit of charge used to **unlock a vectorized file to download it or share it** . No alternative payment methods are currently supported.

A token is only consumed the **first time** a vectorized file is **downloaded or shared** by any authorized member of your organization, and only **after the vectorization result has been accepted**. Once a file has been unlocked in this way, it becomes available for **subsequent downloads and sharing by other project members** with access to the original file, without incurring additional token charges.

To be able to download or share vectorizations, your organization will have to "refill" tokens **upfront** by purchasing a **Prepaid Package** from your HP preferred reseller. There are packages of **10, 50 and 100** tokens.

After 12 months, any unused tokens will expire and cannot be refunded.

Contact your local HP preferred reseller or HP sales representative for more information about pricing plans.

Do you want to know more?

You can find all the information about HP Build Workspace at build.hp.com.

1. HP's internal evaluations estimate time savings based on pilot studies using over 1,000 customer drawings. The comparison measures drafting effort with the solution versus manual drafting. Actual savings may vary due to factors like drawing complexity and image quality.

2. AutoCAD is a third-party software application not owned or distributed by HP. Use of AutoCAD requires a valid license obtained separately by the end user. HP AI Vectorization does not include, provide, or imply any license to AutoCAD.

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