

Titan H36 / Puma HS 36 Wide Format Color Scanner

The two Titan H36 scanner models differ in performance. The BASE model can easily be upgraded with new features.

Titan H36 Wide Format Color Scanner Models		BASE	PLUS
Maximum Resolution:	(in dpi):	1200	9600
Optical Resolution:	(in dpi):	600	600
Scan Accuracy	0.1%+- 1 pixel	√	√
Variable resolution setting:	from 50 dpi in one dpi increments	√	√
Scanning Speed inch./sec.:	(400dpi turbo, 24-bit RGB)	1.5"/s	3.0"/s
	(400dpi turbo, 8-bit index)	3.0"/s	3.0"/s
	(400dpi turbo, B/W)	6.0"/s	12.0"/s
Media Maximum Width:	44" (1118 mm.)	√	√
Maximum Thickness:	0.6" (15mm.)	√	√
Scan Width:	36" (914 mm.)	√	√
Digital Image Processing embedded in hardware:	Scan length: not limited by scanner	√	√
	Dual 2D-Adaptive Enhancement	√	√
	Dual 2D-Adaptive Gray	√	√
	ADL+ Error Diffusion Halftoning.	√	√
	2D-Sharpening, 2D-Softening and 2D-Blur Filter.	√	√
	Color Feature Extraction	√	√
	2D-Adaptive Thresholding.	√	√
iJET Technology:	Copy and scanning system embedded in hardware	√	√
	Easy to use iJET Panel to control copy and scan operations	√	√
	One-Touch Copy to USB printer without PC	√	√
	One-Touch Copy to Network printer without PC	√	√
	One-Touch Scan directly to any PC on the Network	√	√
Scan Modes:	24-bit color	√	√
	8 bit Feature Extraction/Indexed color	√	√
	8-bit Graytone	√	√
	Copy modes with Grayshades.	√	√
	1-bit black-and-white	√	√
	B/W Dual 2D-Adaptive Modes	√	√
Color Adjustment:	3x3 matrix multiplier	√	√
	Independent RGB tone curves (Gamma)	√	√
	Independent black-and-white point setting	√	√
Color Space:	sRGB	√	√
3C Auto-Maintenance System:	Auto-alignment to fraction of a pixel	√	√
	Auto-stitching to fraction of a pixel	√	√
	Basic Calibration	√	√
	Precision Color Calibration	√	√
	Auto monitoring and correction (stitching, black-and-white point)	√	√
Sensors:	Triple 4-linear CCDs (RGB triplets+Panchromatic BW)	√	√
	22,500 pixels	√	√
	48 bits of color data capture.	√	√
	16 bits B/W capture	√	√
	All digital cameras	√	√
Advanced Power Management:	Temperature Control	√	√
	Low Power Mode	√	√
	Programmable power up timer	√	√
All-Wheel-Drive:	Contour Adjustment	√	√
	Broad Precision Rollers	√	√
Automatic Thickness Adjustment Control (ATAC)	Optimal grip of guide plate on variable thickness dimensions (up to 0.6")	√	√
	Built-in roller axel pressure sensors	√	√
	ATAC button on operators panel	√	√
Light Source:	Color matched fluorescent lamps Color Rendering Index (CRI)>95	√	√
User Replaceable Parts (GOLF):	Glass plate, white background, lamp, filters	√	√
Optics:	Torsion stabilized for portability	√	√
Interface:	Ethernet (Scanning and copying)	√	√
	Hi-Speed USB (Scanning)	√	√
	Full-Speed USB (Copying)	√	√
	STI (Still Image Interface) support	√	√
	WIA (Windows Image Acquisition)	√	√
	TWAIN	√	√
Dimensions:	54.8" wide x 7.3"high x 18.3"deep (1392 x 185 x 465 mm.) Weight: 60kg	√	√
Power:	110/220/240V, 60/50 cs, 180W	√	√
WIDSystem Kit (Included)	Drivers, scan2net, Maintenance software, Maintenance Sheet	√	√
Floor Stand (Optional):	Includes document basket	√	√
Thick Media Support Table (Optional):	Floor stand required	√	√
Host Platforms:	Windows and Power Macintosh – See www.vidar.com for supported OS with selected interface connection.	√	√

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iJET Technology

- Copy and scanning system embedded in hardware
- Easy to use iJET Panel to control copy and scan operations
- One-touch Copy to USB printer without PC
- One-touch Copy to network printer without PC
- One-touch Scan directly to any PC on the network

SCANNING

- 600 dpi optical resolution
- Very fast color and monochrome scanning
- 48 bit color capture for photo-realistic vivid colors
- 16 bit graytone capture for perfect reproduction of grayshades
- 8 bit Feature Extraction/indexed Color
- 1 bit black and white
- B/W Dual 2D-Adaptive Modes
- Copy modes with Grayshades
- Scans Thick Media – up to 0.6" (15mm)

Titan H36 / Puma HS 36 Wide Format Color Scanner



The VIDAR Titan H36 wide-format color scanner incorporates the latest in imaging technology for high-quality full color scanning and copying. The Titan H36 with its full A0/E-size imaging area handles large color posters, architectural sketches, detailed maps, drawings and fine art.

This scanner offers a cost-effective solution for reprographics, graphic arts, GIS and CAD professionals world-wide. The Titan H36 with its new iJET Technology, iJET Panel and LAN interface is a powerful company tool that can be configured for both stand-alone and network scan and copy tasks. It will return your investment many times by bringing home all you need in wide format scanning. The Titan H36 scanner opens new possibilities for Sign companies, Pre-press shops, Copy shops, POP/Exhibit/Display providers, Repro houses, Mapping, Architects and Engineering offices.

SCANNING SUPERIORITY

The versatile Titan H36 scanner creates images in photorealistic colors, high-quality grayscale and crisp, clear black-and-white. Color is captured at 48 bits for maximum color precision, passing the best 24 bits of color data to the computer to enhance color fidelity. The scanner uses All-Digital cameras with advanced point-of-origin color capture and on-board digital conversion ensuring minimum noise and an extended dynamic range. Quality color matched fluorescent lamps ensure the market's highest standards for color correctness. Graytones are captured at 16 bits for maximum precision, passing the best 8 bits of graytone data to the computer. The scanner's unique four-linear CCD technology, with a special panchromatic line, ensures that no colors are lost when scanning monochrome. The Titan H36 can scan up to 0.6-inch (15mm.) thick originals such as posters mounted on foamboards, gatorboards etc.

ACCURACY LENS ENHANCEMENT TECHNOLOGY (ALE)

With this scanner, GIS professionals, CAD and other specialized markets get a very high grade of precision stability in the scanned image. Contex has taken scanning precision to new levels by developing patented Accuracy Lens Enhancement (ALE) technology that electronically maintains 0.1% +/- pixel precision across any two points of the scan line thus exceeding even the most rigid requirements in the industry today.

CARE FOR YOUR ORIGINAL

The scanner's All-Wheel-Drive has been designed to ensure high standards for a perfectly straight scanning path with an optimal hold across the whole width of large documents. Contour adjustment and broad synchronized rollers ensure a perfectly straight scanning path without using unnecessary force so you avoid both image distortion and damage to your customer's fragile originals.

iJET Technology

The new iJET Panel contains an elaborate menu system that enables setup and activation of full scan-to-print and scan-to-file options directly from the scanner. LAN interfacing makes the scanner a powerful company tool and allows the scanner to be used with other network devices and to be shared from network PC stations.

IMAGE ENHANCEMENT POWER

The Titan H36 contains advanced technology for color and monochrome enhancement. The patented B/W adaptive thresholding works simultaneously on foreground, background, edges and other individual aspects of the original so you produce clean, crisp scans even from poor quality drawings. All processing is embedded in the hardware enabling you to perform powerful image enhancement without overhead and at speeds incomparable to standard software processing.

COPYING MADE EASY

Connect the Titan H36 scanner with a Wide-format printer and you get the perfect large format color and monochrome digital copier. From the iJET Panel you can set the quality, lightness, numbers of copies, reduce/enlarge the copy without use of a PC or software. The iJET Panel also contains advanced settings for special jobs or for setting company defaults. With the scanner's high precision of details and colors, users can enlarge their creations to full display sizes without losing quality.

FLEXIBLE CONNECTIVITY

The Titan H36 scanner lets you fit the connection to your immediate needs by offering different interface options - the highly efficient and convenient Plug and Play High-speed USB connection and Ethernet (scanning and copying). Vidar scanners protect your investment with STI, WIA and TWAIN support ensuring problem-free compatibility with current and future versions of Windows and popular imaging applications

PRECISION COLOR

A new wide format scanner comes calibrated from the factory, but as time goes by, components and lamps will change character and affect color output. The unique Precision Color system lets you maintain perfect color results by harmonizing current scanning factors. You can calibrate in the field at any time, so you are always ensured stable and predictable color output.

AUTOMATIC SCANNER MAINTENANCE

The Titan H36 scanner incorporates the VIDAR 3C Auto-Maintenance system that keeps your cameras perfectly aligned, adjusted and calibrated for optimal image quality. The process is automatic - just insert the maintenance sheet and click the wizard's start button. The Automatic Maintenance system aligns and stitches your cameras to a fraction of a pixel giving the highest wide format image precision available. Using patented technology, camera stitching and black-white-points are constantly monitored and corrected while your scanner is running letting you concentrate on your work and take optimal scanner performance for granted.

