



Everything  
you need for  
large format  
scanning



## **VIDAR HD Series, SD Series, and Software Solutions**

## Consistently bringing you quality



In the large format scanning world, VIDAR is synonymous with imaging excellence.

How did we get here? VIDAR launched in 1923 as a developer of innovative business machines that saved time and improved business processes. Since then, our products have evolved dramatically – but we've never shifted our focus from efficient, powerful technology. Over the last two decades, we've focused on bringing people who work with large format images second-to-none scanning capabilities. Our customers span over 80 countries and a wide array of industries, from government and geographic information systems (GIS) to architecture, engineering and construction (AEC) and copy shops. That's why we develop scanning solutions that can handle any documents – even 3D models and patches of grass.

A range that handles any project with ease and speed

VIDAR is owned by the equity fund RATOS. This gives us a solid financial foundation and supports our market-leading R&D, allowing us to invent innovative, user-friendly scanning technology. A copy will always be a copy, but our solutions help you get as close as you can to a perfect reflection of your world. The results continue to surprise even the most seasoned scanning professionals.

Our production facilities are ISO 9000 certified – but we also like to set our own standards. So we put our products through high-stress lab tests and apply the latest LEAN processes to every production step. The result? A world-class suite of scanners that can easily perform two million scans in a lifetime, and software that delivers effective workflow and higher profits.

Shouldn't you be scanning with a VIDAR?

### Seven reasons to choose VIDAR

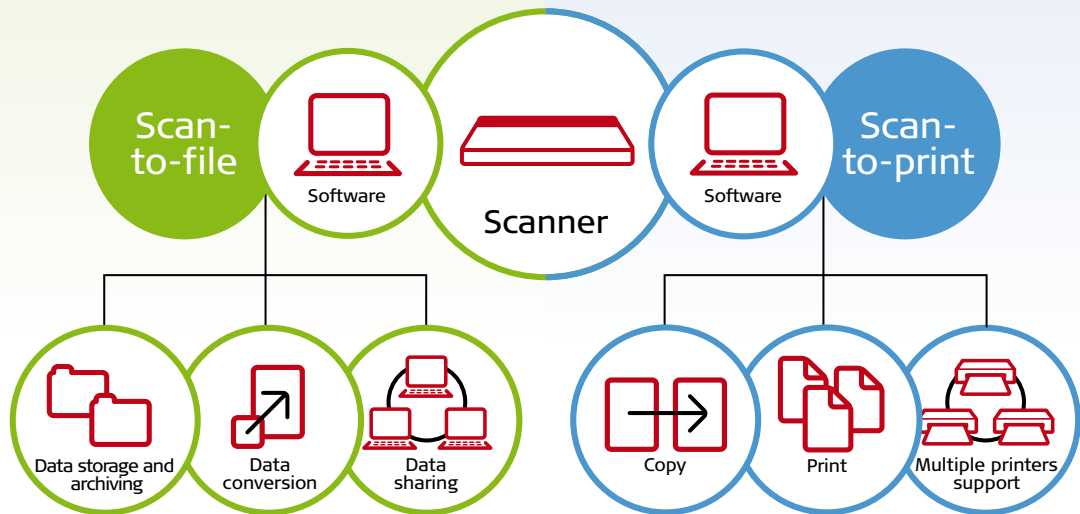
- 20 years of experience in large format scanning
- Serving diverse industries across the globe
- Broadest range of scanning solutions thanks to leading R&D
- ISO 9000-certified manufacturing facilities
- Tough quality assurance processes
- Individual testing of each product
- Dedicated to greener scanning

## Imaging solutions that enhance your business

Do you work primarily with scan-to-file applications? Or are scan-to-print and scan-to-copy applications more your thing? Whatever you do – with VIDAR solutions, you’ll be able to see the results on your bottom line.

VIDAR HD Series scanners and SD Series scanners are intelligent, handle your documents with care, give you the level of detail you need, and ensure high accuracy. But there’s more to great scanning than just hardware. Our software makes scanning faster and easier than ever with intuitive interfaces, advanced data management and powerful image editing capabilities.

	Scan-to-file	Scan-to-print
	The scan and save scenario	The perfect image or copy scenario
If you have:	A physical library of technical documents that’s stored onsite – and is difficult to search, use, and share.	Customers who demand high-quality color scans and copies – on-time and error-free.
Then you want:	A central file repository of all documents stored digitally either on the LAN or Internet for editing and/or sharing.	A solution that fits with your existing printers and office environment and provides high-quality images and copies that match the original.
The solution:	SD4400 scanner + Nextimage software + WIDEsystem <sup>NET</sup> drivers + your EDM software	HD Series scanners + Nextimage software + your large format printer(s)
The benefits:	<ul style="list-style-type: none"> <li>• SD4400 can handle even old and fragile documents with speed and care.</li> <li>• Nextimage has built-in tools that make batch scanning simple.</li> </ul>	<ul style="list-style-type: none"> <li>• HD Series scanners are flexible enough to handle any kind of document with fast, top-quality results.</li> <li>• Nextimage and JETimage<sup>NET</sup> are color-calibrated to your existing printers to ensure perfect copies every time.</li> </ul>



## For every industry and any document

We know that requirements vary depending on the types of documents you work with, so we've made sure you can find the right combination of speed, resolution and operational simplicity in our range of solutions.

### TECHNICAL DOCS

#### **CAD - AEC - Manufacturing - Utilities**

To ensure that the digital images of your technical documents meet all your expectations, our SD Series gives you:

- Higher throughput
- Intelligent image cleanup
- Unmatched sharpness
- Walk-up simplicity
- Affordable quality

Manufacturing and utilities specialists rely on our solutions for flawless and efficient scanning and filing of oil well logs, CAD drawings, geological maps and seismographic prospecting information.

### GIS & MAPPING DOCS

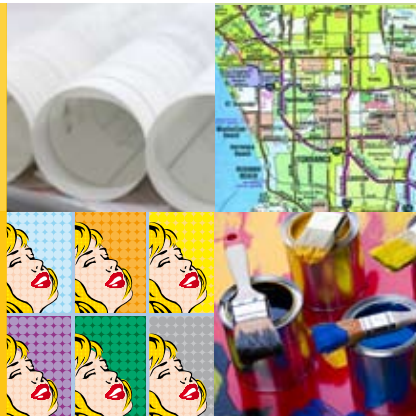
#### **GIS - Mapping - Utilities - Government**

Scan a lot of geographic data and maps? Depending on your requirements, you'll find a solution in our HD Series or SD Series, which offer:

- Point-to-point accuracy
- Higher throughput
- Powerful color manipulation capabilities
- Fine line and full color details
- User-friendly operation

GIS, mapping and utilities professionals trust VIDAR scanners to capture all small type, details and color changes in maps. And government agencies rely on our solutions to help modernize their archiving systems and infrastructure and create a more efficient workflow.

With a choice of  
8 HD Series and  
4 SD Series  
scanners in  
19 different  
configurations,  
you'll find the ideal  
solution



## GRAPHICS DOCS

### **Graphic Arts – Photography – Publishing – Signs**

Work with graphics, fine art, or photography? The high-performance HD Series scanners handle them with care and capture the complete spectrum of colors and details, giving you:

- The ability to scan all media types
- Superior image quality
- Color fidelity and matching
- Plug'n'Play printer connectivity
- A range from flatbed to 54"

Graphics professionals who work with diverse media rely on the versatility of the VIDAR range to handle their scanning projects. The FLEX50i flatbed scanner, which can scan any media, is a particular favorite.

## OTHER DOCS

No matter what it is – textile patterns, books, legal documents or other specialized media – our solutions handle them with care and create perfect reproductions.

## COPY SHOP & REPRO DOCS

Whether you work in a high-volume, print-for-pay environment or handle lower volume in-house reprographics, VIDAR solutions help you increase productivity and profitability. Versatile, fast, and as high performing as you need them to be, our scanners consistently deliver the quality you and your customers are looking for. And with built-in large format printer support and intuitive software, they're easy to set up and even easier to use.

### **Making it easy to share and connect**

With VIDAR, you can customize and configure your scanning solution to your business workflow and processes. Our scanners connect seamlessly with any large format printers and save scanned documents securely on any connected PCs or servers.

## A powerful way to get world-class images – and grow your business



When the stakes are high and only the best quality scans will do, the Vidar HD Series meets – and usually surpasses – expectations with superior flexibility, image quality, and performance.

To help you scan large or difficult documents with ease, we've optimized our hardware and software to make it as user-friendly and efficient as possible. Our HD Series solutions can't do all the work for you, but they come close.

With powerful built-in technology and advanced imaging features, the HD Series makes any scan possible and any original beautiful

### Fast, professional document handling

#### **Sensitive or specialized documents? No problem**

- Automatic Thickness Adjustment Control (ATAC) technology lets you scan documents up to 0.6" (15 mm) thick and monitors pressure on the document surface
- All Wheel Drive (AWD), a precision paper feed tracking system, ensures a perfectly straight scanning path and distortion-free scans

#### **The perfect blend of speed and precision**

- Twice as fast as previous models, HD Series scanners capture up to 12 inches per second and transfer data from scanner to PC faster thanks to a USB 2.0 interface with xDTR (extended Data Transfer Rate)
- Up to 9,600 dpi resolution when you upgrade to PLUS models
- One-touch interface with convenient, programmable action buttons for performing common tasks directly from the scanner
- Easy connectivity with office printers and PCs through high-speed USB 2.0, FireWire, and LAN interface options

#### **Advanced performance for advanced tasks**

- Graphics, artwork, photos, maps, and other color- and detail-rich documents are reproduced to perfection
- No document length limits
- Consecutive processing of any number of scans
- Software settings you can personalize to ensure the same scan, copy and color settings every time

## Because your business depends on perfect images

### Technology that does your image justice

- A combination of 48-bit color, 4-channel CCD technology, full-size professional camera lenses, and advanced image data processing algorithms creates the most sophisticated imaging solutions on the market
- Patented Accuracy Lens Enhancement (ALE) technology electronically corrects spherical errors in CCD-based camera scanning systems and maintains industry-leading 0.1% ±1 pixel precision across any two points on a line
- True 600 dpi optical resolution and up to 9,600 dpi enhanced resolution on the HD3600 and HD4200
- Color-matched fluorescent lamps meet the highest color accuracy standards with a Color Rendering Index (CRI) > 95
- The LED light cartridge upgrade provides sharper scans, lasts longer, reduces power consumption by up to 33%, features true instant-on, and is easy to install
- All-digital cameras with advanced point-of-origin capture and on-board digital conversion minimize noise and extend dynamic range
- Automatic scanner maintenance and a unique precision color system keep the scanners calibrated and components and lamps in top shape – and inform you when the scanner needs your attention

### When true-to-life isn't good enough

- On-board image processing technology ensures spot-on capture and cleanup and frees the PC from post-scan processing
- Patented B/W adaptive threshold technology simultaneously works on the original's foreground, background and edges to produce truer-than-life copies
- 16-bit grayscale capture thanks to unique 4-channel CCD technology with a special panchromatic line and 48-bit enhanced color capture with transfer of only the best 24-bit color data – so no detail is ever lost
- Special monochrome copying modes

## Invest in a more profitable business

### Solutions that fit your busy workplace

- Full compatibility with most large format printers and copiers, including HP, Canon, Epson, Xerox, and Mutoh, and the widest range of built-in printer drivers
- Easy sharing of local or remote scanners directly from users' own PCs
- Easy-to-use software helps streamline scanning processes
- The scanner's PC can see and send to all network PCs, facilitating document distribution
- Built-in Ethernet ports in the HD4230i and FLEX50i let you directly connect the scanner to your network
- Instant wake-up from sleep mode, 5 minute power-on

## High productivity with a surprisingly low price tag



If you've ever hesitated to buy a professional large format scanner because you knew you didn't need its advanced features – yet found low-end scanners lacking in both quality and user-friendliness, our SD Series is just what you need.

VIDAR SD Series scanners create a brand new category of easy, affordable scanning solutions. Based on the high-end technology in the HD Series but redefined for tasks that do not require high-end specs, the SD Series brings speed, image quality and ease of use to in-house scanning tasks – all at an excellent value.

### Putting great quality within reach with innovative technology

#### Pick up on every detail

- High 1,200 dpi optical resolution is ideal for scanning even the most complicated technical documents and drawings
- 16-bit B/W capture brings out details and depth
- Patented B/W adaptive threshold technology works simultaneously on the original's background, foreground and edges to ensure accurate results

#### Protect originals with All Wheel Drive (AWD)

- To prevent image distortion and speed up one-off and batch scanning jobs, our precision paper feed tracking system ensures straight scanning paths, smooth document transport, and optimal document hold

#### Get more with smart, intuitive software

- Combined with Nextimage software, the SD Series produces copies that are as clean and clear as the original – or better – and lets you easily perform advanced image editing, automatic scan numbering, multiple clippings, and other post-scanning tasks

The SD Series' intelligent technology does more for you – so you can devote more time to your projects and customers



## Instant ease-of-use, mobility, and productivity

### Easy to set up, use and maintain

- The modern, lightweight design makes the scanners easy to transport wherever they're needed most
- The instant-on feature saves you time without compromising quality
- Automatic scanner maintenance keeps your scanner tuned and ready
- The one-touch interface lets you easily navigate features for scanning to the network and copying to a printer

### Improve employee productivity

- Face-up scanning simplifies scanning tasks and protects valuable documents
- Faster scanning of technical documents like drawings, sketches, schematics, and blueprints means less time at the scanner
- Fast and easy archiving, exchange and distribution for scan-to-file, scan-to-print, and scan-to-net
- There's no limit on document length, and if your documents are wide, chances are our 44" SD Series scanner, the widest CIS scanner in the world, can handle it
- Straightforward document loading and feed adjustment makes any scan job doable, even for walk-up users
- Rapid scanning with USB 2.0 xDTR (extended Data Transfer Rate) means higher-resolution and wider documents are transferred from scanner to PC faster

## More performance – more affordably

### Empower your business with a long-lasting investment

- Thanks to LED illumination, SD Series scanners have a longer life – and lower operating costs
- The scanners' spare parts, including the glass plates, are easy to replace, making maintenance fast and inexpensive
- Face-up scanning reduces wear on the glass plates, increasing up-time and lowering maintenance costs
- The scanners are very easy to clean and maintain

## Who knew imaging software could be clever *and* simple?

If you can choose your scanner, why not choose your software?

Our powerful, intuitive, and easy-to-integrate software brings you:

- Plug'n'Play connectivity with nearly all printers
- Integrated scan, copy, and file functionality
- Scanning and copying in color, grayscale and B/W
- B/W adaptive thresholding for monochrome cleanup
- Complete, built-in color management
- Workflow pre-sets for individual scanning jobs
- Support for multiple formats such as PDF, BMP, TIFF, CALS, JPG, JPG2000
- Multi-function capabilities, including scan-to-file, scan-to-print and scan-to-net, for simple document archiving, exchange and distribution
- Automatic digital cleanup of poorly-shaded originals

The essentials packaged with every VIDAR scanner:

**A free 30-day trial of Nextimage SCAN+COPY software**

**Scanner maintenance software**

**WIDEsystem<sup>NET</sup>:**

- Install scanner drivers, integrate your scanner with Windows using a taskbar control icon, and see the status icon on the system tray
- Configure scan-to-net functions, allowing scanning to specific computers on the LAN
- Turn any workstation into a scanning server accessible to any other network PCs
- Combine WIDEsystem<sup>NET</sup> with Nextimage or JETimage<sup>NET</sup> to share scanners across departments
- Let any network user see and use the scanner
- Easily configure all settings

Unlock the full potential of your scanner with intuitive, purpose-built software

**Nextimage SCAN:**

- Designed specifically for scan-to-file projects
- User-friendly interface simplifies advanced tasks
- Fast pre-scans give instant preview
- Folder and file-naming templates keep you organized
- Keyboard shortcuts and undo/redo buttons save time
- Innovative detailed preview feature with real-time image correction gives you a high-resolution image of a selected area so you can quickly adjust it and instantly see the results – without scanning the entire original

**Nextimage SCAN+COPY:**

- All the features of Nextimage SCAN
- Integrated scanning, copying, and filing
- Brings all imaging tasks into one user-friendly interface, creating the perfect link between your scanner, digital storage, and printer
- Built-in support for Windows printer drivers
- Advanced color matching with closed-loop color copying
- Industry standard ICC color management
- Edge-preserving smooth filter to maintain all smooth color shifts and prevent hard lines and borders
- Color-preserving black and white enhancement lets you adjust black and white levels for better contrast and clarity without tampering with color

**JETimage<sup>NET</sup>:**

- Designed to help busy professionals in reprographics and copy shops manage high-throughput jobs
- Delivers perfect copies in just three steps: select type, select size, GO!
- Offers an optional touch-screen interface for intuitive, quick operation and easy walk-up use
- Ensures perfectly color-matched output on large format printers thanks to specialized closed-loop calibration and ICC precision color management
- Guarantees a highly effective copy machine when combined with a VIDAR HD Series scanner and a large format printer
- Saves both time and money with advanced reprographics features, including nesting (printing multiple images on one sheet), paneling and tiling printing for oversized documents
- Makes billing a breeze with a smart accounting feature that keeps track of the scans, copies and paper for each customer



“The easy-to-navigate Nextimage interface”

## Three more reasons to choose VIDAR

### Greener scanning

Just why are our scanners so green? Through dedicated R&D and rigorous testing, we've made sure they can deliver outstanding performance while running in the most environmentally-friendly way possible.

The HD Series and SD Series are completely lead-free, meeting the RoHS European Market requirements for maximum levels of potentially dangerous substances in products with electronic components.

HD Series scanners are also Energy Saver-compliant, automatically entering a low-power sleep mode after a period of inactivity.

SD Series scanners are ENERGY STAR compliant, using under 3W of energy per day in sleep mode. Few large format scanners can satisfy this requirement – but ours do. ENERGY STAR compliance also translates to lower operating costs: when it comes to power, SD Series scanners do more with less.

### Improving on tradition: enhanced CIS technology

High-end professional scanning has traditionally relied on CCD technology because it delivers the best imaging results. But not all projects require such perfection and that's why many people have chosen the more affordable CIS technology.

Traditional CIS scanners, however, often fell short of users' expectations: they were difficult if not impossible to

maintain, and often delivered unsatisfactory imaging results. So VIDAR took its knowledge of the high-end CCD and applied many CCD enhancements to CIS scanners. Even the CIS components have been customized to provide improved image quality over other CIS scanners. The result is a whole new CIS that delivers consistently good results – and long-term value.

### 2-year warrantee and fast, easy parts replacement

With VIDAR, vital scanner parts replacement is quick, easy and hassle-free. Your VIDAR system monitors vital parts, such as the glass plate, lamp, dust filters and white

background, and lets you know when it's time to consider a replacement. The advantage? You save time and money on technical service – and keep your business running without costly delays. And with a 2-year warrantee on all parts, you can rest assured that your VIDAR won't let you down.



Do more for your business. [www.vidar.com](http://www.vidar.com)

# HD Series and SD Series Specifications

## Product Specifications

SPECIFICATIONS		HD SERIES			
		VIDAR HD2530	VIDAR HD3630	VIDAR HD3650	VIDAR HD4230
Optical Resolution		424dpi	600dpi	600dpi	600dpi
Maximum Resolution	(BASE/PLUS)	1200/9600dpi	1200/9600dpi	1200/9600dpi	1200/9600dpi
Maximum Scan Width	inches (mm)	25 (635mm)	36 (914mm)	36 (914mm)	42 (1067mm)
Maximum Media Width	inches (mm)	28 (711mm)	44 (1118mm)	44 (1118mm)	44 (1118mm)
Maximum Media Thickness via ATAC (except HD2530)		0.6" (15mm)	0.6" (15mm)	0.6" (15mm)	0.6" (15mm)
Accuracy		0.1% ± 1pixel	0.1% ± 1pixel	0.1% ± 1pixel	0.1% ± 1pixel
<b>Scanning Speeds*:</b>	(inches/second)				
	400dpi (turbo), 24-bit RGB color (BASE/PLUS)	0.5/1.5	0.6/1.0	1.5/3.0	0.6/1.0
	400dpi (turbo), 8-bit Index color	1.5	1.5	3.0	3.0
	400dpi (turbo), 8-bit Grayscale	4.0	12.0	12.0	12.0
	400dpi (turbo), 1-bit Monochrome	4.0	12.0	12.0	12.0
<b>Interface:</b>					
	High Speed USB 2.0 with xDTR		✓	✓	✓
	High Speed USB 2.0	✓			
	FireWire (IEEE1394)	✓			
	Ethernet (LAN)				
	Remote HTML Control				
Power	Low-Power (Sleep) Mode, Programmable Power-up/down Timer				Requirements:
Power (Operational/Sleep Mode)					
Weight		95 lbs. 43 kg	134 lbs. 61 kg	134 lbs. 61 kg	134 lbs. 61 kg
Dimensions		39 x 19 x 7 in 98 x 47 x 18 cm	55 x 19 x 7 in. 139 x 46 x 18 cm	55 x 19 x 7 in. 139 x 46 x 18 cm	55 x 19 x 7 in. 139 x 46 x 18 cm
Host Platform/Device Drivers					Microsoft Windows XP, Server
Certifications					ENERGY STAR (SD), Energy Saver (HD),

				SD SERIES			
VIDAR HD423oi	VIDAR HD425o	VIDAR HD545o	VIDAR FLEX5oi	VIDAR SD441o	VIDAR SD443o	VIDAR SD445o	VIDAR SD449o
600dpi	600dpi	508dpi	400dpi	1200dpi	1200dpi	1200dpi	1200dpi
1200/9600dpi	1200/9600dpi	1200/9600dpi	1200/9600dpi	9600dpi	9600dpi	9600dpi	9600dpi
42 (1067mm)	42 (1067mm)	54 (1372mm)	18x24 (457x610mm)	44 (1118mm)	44 (1118mm)	44 (1118mm)	44 (1118mm)
44 (1118mm)	44 (1118mm)	56 (1420mm)	unlimited	47 (1194mm)	47 (1194mm)	47 (1194mm)	47 (1194mm)
0.6" (15mm)	0.6" (15mm)	0.6" (15mm)	unlimited	0.04-inch (1 mm)	0.04-inch (1 mm)	0.04-inch (1 mm)	0.04-inch (1 mm)
0.1% ± 1pixel	0.1% ± 1pixel	0.1% ± 1pixel	0.1% ± 1pixel	0.1% ± 1pixel	0.1% ± 1pixel	0.1% ± 1pixel	0.1% ± 1pixel
0.6/1.0	1.5/3.0	1.5/3.0	3.0	-	1.0	1.5	3.0
3.0	3.0	3.0	3.0	-	1.0	1.5	3.0
12.0	12.0	12.0	5.0	10.0	5.0	10.0	10.0
12.0	12.0	12.0	5.0	10.0	5.0	10.0	10.0
	✓	✓		✓	✓	✓	✓
✓			✓				
✓			✓				
✓			✓				
110V/220V/240V, 60/50 Hz, 180W				110V/220V/240V, 60/50 Hz			
				44W/ ≤ 3 W (Energy Star compliant)			
134 lbs. 61 kg	134 lbs. 61 kg	174 lbs. 79 kg	82 lbs. 37 kg	66 lbs. 30 kg	66 lbs. 30 kg	66 lbs. 30 kg	66 lbs. 30 kg
55 x 19 x 7 in. 139 x 46 x 18 cm	55 x 19 x 7 in. 139 x 46 x 18 cm	67 x 19 x 7 in. 169 x 46 x 18 cm	50 x 25 x 9 in. 128 x 63 x 22 cm	60 x 19 x 6.3 in. 153 x 48 x 16 cm	60 x 19 x 6.3 in. 153 x 48 x 16 cm	60 x 19 x 6.3 in. 153 x 48 x 16 cm	60 x 19 x 6.3 in. 153 x 48 x 16 cm
2003, Vista (32-bit versions)							
RoHS, UL, CE, GOST-R, CCC							



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