

# ScanPlus 6 LF642

**BASIC MODEL: 36" WIDE 1200DPI, COLOR SCANNER, SCANS 1.0 IPS IN COLOR AND 12.0 IN MONOCHROME  
PLUS MODEL: 36" WIDE, 9600 DPI, COLOR SCANNER, SCANS 1.5 IPS IN COLOR AND 12.0 IN MONOCHROME**



## FEATURES:

- 42" Wide scanning
- Fast color and monochrome scanning with added color capabilities
- 48-bit color capture for photo-realistic vivid color
- 16-bit graystone capture for perfect reproduction of gray shades
- One-touch Copy to USB without PC
- One Touch Copy to Network Printer without PC
- One Touch Scan Directly to any PC on Network
- Replaceable parts bring down service costs
- Scans thick media– up to 0.6" (15mm)
- Automatic Thick Media Adjustment Control (ATAC)
- Advanced image enhancements includes sharpening, softening, blur, 2D-adaptive, ADL+ copy and more
- All-Wheel-Drive precision tracking system
- Calibrates to both sRGB and NTSC color spaces
- 3C Auto-Maintenance system
- Advanced Power Management system
- Supports Ethernet, USB2 (High Speed), STI (Still Image Interface), WIA (Windows Image Acquisition), and TWAIN
- Scan to PDF format option

## SCANNER APPLICATIONS

The ScanPlus 6 LF642 is a color and monochrome scanner that is the perfect solution for reprographics, graphic arts, GIS and CAD professionals. It incorporates the latest in full color scanning and copying technology and is a cost-effective tool that can be configured for both stand-alone and network scanning and copying tasks directly from the scanner. Using the built-in Linux processor provides the ability to connect the scanner directly to a network printer or user's PC. This feature offers the flexibility to scan-to-print or scan-to-file.

## HIGH SCANNING SPEEDS

The ScanPlus 6 LF642 Base model scanner can scan a typical E-Size color original in 24-bit color at 1.0" per second and a graytone or monochrome original at 12.0" per second. The ScanPlus 6 LF642 Plus model scanner can scan a typical E-Size color original in 24-bit color at 1.5" per second and a graytone or monochrome original at 12.0" per second.

## 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 at anytime, so you are always ensured stable and predictable color output.

## IMAGE ENHANCEMENT POWER

The ScanPlus 6 LF642 contains advanced technology for color and monochrome enhancements. The patented B/W adaptive thresholding works simultaneously on foreground, background, edges and other individual aspects of the original so you can 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 ScanPlus 6 LF642 with a large-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 the 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.

## DIRECT PRINTER INTERFACING

The scanner supports both LAN and USB connections. Users have the option to connect to ScanPlus 6 LF642 supported printers for copy output directly from the scanner. The scanner and connected printer thus form an easy to use large format copier at prices competitive with Current all-in-one copy machine solutions. With the scanner's LAN interface, users can connect the scanner to the local network, share the scanner and use it with other LAN devices such as printers and remote PCs.

## AUTOMATIC THICKNESS ADJUSTMENT CONTROL (ATAC)

The ScanPlus 6 LF642 supports Automatic Thickness Adjustment Control (ATAC), specially developed to make handling of large and bulky documents much easier. ATAC sensors in the scanner monitor the pressure on the original's surface and position the guide plate at the optimal level. With ATAC technology, you are always ensured a perfect and even grip on any kind of document.



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SPECIFICATIONS		Base	Plus
<b>Pixels:</b>	(in pixels)	120,000	120,000
<b>Resolution:</b>	(in dpi)	800	800
<b>Enhanced Resolution:</b>	(in dpi)	1200	9600
<b>Scan Accuracy:</b>	0.1% +- 1 pixel	✓	✓
<b>Scanning Speed inch/sec:</b>	24-bit RGB, 400 dpi turbo	1.0"/s	1.5"/s
	8-bit Indexed, 400 dpi turbo	3.0"/s	3.0"/s
	Grayscale & B/W, 400 dpi turbo	12.0"/s	12.0"/s
<b>Scan &amp; Media Width:</b>	Max Scan Width: 42" (1066 mm) Max Media Width 44" (1118 mm) unlimited scan length	✓	✓
<b>Maximum Thickness:</b>	0.6" (15 mm) Automatic Thickness Adjustment Control (ATAC)	✓	✓
<b>Digital Image Processing:</b>	Dual 2-D Adaptive Enhancement & Adaptive Gray	✓	✓
<b>Embedded Hardware:</b>	ADL + Error Diffusion Halftoning	✓	✓
	2-D Sharpening, Softening, Blur Filter & Adaptive Thresholding	✓	✓
<b>Scan/Copy Control Panel</b>	One Touch Copy Directly to USB or Network Printer, One Touch Scan directly to USB Hard Disk or Network PC	✓	✓
<b>Scan Modes:</b>	24-bit Color, 8-bit Feature Extraction/Indexed Color	✓	✓
	8-bit Grayscale, Copy Modes with Grayscale	✓	✓
	1-bit Black and White, Black and White Dual 2D-Adaptive Modes	✓	✓
<b>Color Adjustment:</b>	3 X 3 Matrix Multiplier, Independent RGB Tone curves (Gamma), Independent B/W Point Setting	✓	✓
<b>Color Space:</b>	NTSC & sRGB	✓	✓
<b>Sensors:</b>	Quadruple 4-linear CCD (RGB Triplets + Panchromatic B/W)	✓	✓
	48-bit Color Data Capture, 16-bit Grayscale Data Capture, All Digital Cameras	✓	✓
<b>Auto-Maintenance System:</b>	Auto Monitoring and Correction (B/W Point), Basic and Precision Color Calibration	✓	✓
<b>Interface:</b>	Ethernet, USB2 (High Speed), FireWire, STI (Still Image Interface), WIA (Windows Image Acquisition), TWAIN	✓	✓
<b>Weight/Dimension/Power:</b>	132 lbs. (60 kg) 54.8" W X 7.3" H X 18.3" D (1392 X 185 X 465 mm) 110/224/240V, 60/50 cs. 180W	✓	✓
<b>Power Management:</b>	Temperature Control, Low Power Mode, Programmable Power-Up Timer	✓	✓
<b>Floor Stand:</b>	OPTIONAL (Document Basket included with floor stand)	✓	✓
<b>System Software:</b>	Included: WIDESystem Tools, Scanner Drivers, WIDEimageNET, Maintenance	✓	✓
<b>Host Platforms:</b>	Windows and Power Macintosh – see www.gtccocalcomp.com for OS support details	✓	✓

\*The two ScanPlus6 LF 642 scanner models differ in performance. The Base model can be easily upgraded with new features for future requirements through the Smart-Card Upgrade Kit.



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