

# ScanPlus 6 LF542

**BASIC MODEL: 42" WIDE, 1200 DPI, SCANS 6.0 IPS IN MONOCHROME  
PLUS MODEL: 42" WIDE, 9600 DPI, SCANS 12.0 IPS IN MONOCHROME**



## SCANNER APPLICATIONS

The ScanPlus 6 LF542 wide format scanner is GTCO CalComp's price performance leader for scanning blueprints, sepia drawings, and other documents when color is not required. The ScanPlus 6 LF542 meets all your wide-format scanning needs with high-quality grayscale and crisp black and white scanning capability. The scanner's 36" imaging area captures original documents up to the industries most popular A0/E-Size. The length of the scanned document is not limited by the scanner.

The ScanPlus 6 LF542 uses All-Digital cameras with advanced point-of-origin capture and on board digital conversion ensuring minimum noise and an extended dynamic range. The scanner's unique Triple Panchromatic CCD technology, with a special panchromatic line, ensures that no colors are lost when scanning monochrome. The ScanPlus 6 LF542 can scan up to 0.6 inch thick originals, such as drawings and maps mounted on foamboards, gatorboards, etc.

## HIGH SCANNING SPEEDS

The ScanPlus 6 LF542 Base model scanner can scan a typical E-Size monochrome original at 6.0" per second at 400 dpi turbo. The ScanPlus 6 LF542 Plus model scanner can scan a typical E-Size monochrome original at 12.0" per second at 400 dpi turbo.

## IMAGE ENHANCEMENT POWER

The ScanPlus 6 LF542 contains advanced technology for image enhancement. The 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 standards software processing.

## COPYING MADE EASY

Connect the ScanPlus 6 LF542 scanner with a large-format printer and you get the perfect large format digital copier. With the scanner's high precision of details, users can enlarge their creations to full display sizes without losing quality. Getting the right settings for your copy job is easy. Special monochrome copy modes, each fitted to specific original types are supported by the scanner's digital image processing. This scanner is the perfect input device for copying technical drawings and complex maps in only a few minutes with fully adjustable graytone parameters.

## ADVANCED POWER MANAGEMENT

The ScanPlus 6 LF542 scanner supports Advanced Power Management system that rapidly brings the scanner to its optimal working temperature, after which the temperature is monitored and held at a minimum level ensuring optimal working temperature. The Advanced Power Management system contains advanced features that allows the scanner to power-up automatically before you arrive at work so it is ready to scan when you are.

## ACCURACT LENS ENHANCEMENT TECHNOLOGY (ALE)

With the ScanPlus 6 LF542, GIS professionals, CAD and other specialized markets get a very high grade of precision stability in the scanned image. Accuracy Lens Enhancement Technology (ALE) 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.



## FEATURES:

- 42" Wide Scanning
- Crisp and clear black and white scanner
- 16-bit graytone capture for perfect reproduction of gray shades
- One Touch Scan buttons for scan, copy and scan to e-mail
- Optimal scan and copy modes designed specifically for documents such as sepia, blueprint, etc.
- Automatic thickness adjustment
- Advanced image enhancements includes sharpening, softening, blur, 2D-adaptive, ADL+ copy and more
- All-Wheel-Drive precision tracking system
- 3C Auto-Maintenance system
- Advanced Power Management system
- Supports FireWire Plug'n'Play and USB2 interfaces
- Scan to PDF format option
- Scan to network, also across the Internet



# ScanPlus 6 LF 542

SPECIFICATIONS			
		Base	Plus
<b>Pixels:</b>	(in pixels)	22,500	22,500
<b>Resolution:</b>	(in dpi)	600	600
<b>Enhanced Resolution:</b>	(in dpi)	1200	9600
<b>Scan Accuracy:</b>	0.1% +/- 1 pixel	✓	✓
<b>Scanning Speed inch/sec:</b>	Graytone & B/W, 400 dpi turbo	6.0"/s	12.0"/s
<b>Scan &amp; Media Width:</b>	Max Scan Width: 42" (1067 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 Modes:</b>	8-bit Graytone, Copy Modes with Grayshades	✓	✓
	1-bit Black and White, Black and White Dual 2D-Adaptive Modes	✓	✓
<b>Sensors:</b>	Triple Panchromatic B/W CCD's	✓	✓
	16-bit Graytone Data Capture, All Digital Cameras	✓	✓
<b>Auto-Maintenance System:</b>	Auto Alignment, Stitching Monitoring and Correction	✓	✓
<b>Interface:</b>	USB2 (High Speed), FireWire, STI (Still Image Interface), WIA (Windows Image Acquisition), TWAIN	✓	✓
<b>Weight/Dimension/Power:</b>	132lbs. (60 kg) 54.8" W X 77.3" H X 18.3" D (1680 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.gtccalcomp.com for OS support details	✓	✓

\*The two ScanPlus 6 LF542 scanner models differ in performance. The Base model can be easily upgraded with new features for future requirements through the Smart-Card Upgrade Kit.



[www.gtccalcomp.com](http://www.gtccalcomp.com)

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