

# EXTREME PRINTING

*Ruggedized Chassis*

*Photo-Realistic Grayscale*

*Versatec Shortline Interface*



*Bi-Modal*

*Worry Free Warranty*

**v8.5e** Thermal Printer

**IT'S WHAT IT DOESN'T HAVE THAT MAKES IT A BETTER MONOCHROME IMAGING SOLUTION.**

NO INKS, TONERS, DEVELOPERS OR TOXIC CHEMICALS TO CONTEND WITH.  
THE **v8.5e** IS AN IDEAL CHOICE FOR A CLEAN AND SAFE WORK ENVIRONMENT.

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

## **v8.5e** Thermal Printer

*no inks, toners, developers or*

*clean and safe work environment*

**THE v8.5e IS THE IDEAL MOBILE PRINTER**, with its small footprint and photo realistic image quality, this printer can withstand the harshest air, land and sea environments. The v8.5e features up to 64 levels of gray, that produces clear, crisp gray scale imaging.

## **v8.5e** *designed for strength* *mobile printer*

### **IMPROVED PERFORMANCE**

When business success is measured in productivity, you want your printing resource to be fast. iSys direct thermal technology makes production fast, easy and reliable. The v8.5e offers the convenience of direct thermal printing in a single, integrated space saving design.

- Plotting speeds up to 4" per second sets the highest standard for speed
- Micro step technology for ultra smooth, high-resolution motion delivers clear, crisp images and uncompromising image quality - print after print
- Industry - Standard Versatec Greensheet and Centronics interface and advanced print features ensure that all jobs print fast and perfectly every time
- Multiple media handling; heavy weight, report, field grade, film and poly media.

*isys printers deliver clear,  
uncompromising*



*toxic chemicals*



### ***Performance Improvement***

The v8.5e offers high throughput, efficient handling, ease-of-use and superb quality, making it unmatched in the mobile class. The v8.5e delivers productivity of continuous tone, and unattended performance to ensure unprecedented results and enhanced efficiency.

### ***Imaging for Quality and Value in Print***

The v8.5e provides superior quality, high throughput and efficient print handling. The unique iSys imaging technology maintains sharp resolution and end-to-end data integrity, from original file to output, despite variations in the production environment.

### ***Top Quality and Convenience***

Direct thermal imaging provides superior performance in any environment. Direct thermal shows superior results on print media compared to conventional inkjet and LED printers and enables longer run lengths. The v8.5e has proven to be stable and resilient within demanding field environments.

### ***Unlock the Benefits of Unsurpassed Grayscale***

The v8.5e produces images that exhibit fine detail, without blurring or smudging. It's standard 203 dpi resolution, and 200 dpi bi-modal emulation support, means unsurpassed grayscale print quality. The v8.5e offers multi-speeds, up to 4" per second, bringing quality control between bi-modal and grayscale.

### ***Small Footprint and Low Maintenance***

The v8.5e has a small footprint at 19" w x 12.5" d x 2u high and weighs only 23lbs. It is uniquely designed for easy access to internal parts for quick and convenient periodic maintenance.

### ***Maximum Control, Minimum Effort***

The simplicity of the interface means that the system operation is not dependent on the level of operator expertise. Highly intuitive, the interface displays processes in sequence. Little attention is needed to keep the printer in full production.

### ***Qualified Thermal Media***

The benefits of using qualified thermal media on these systems includes higher quality and higher resolution output, as well as greater consistency and repeatability.



“ Inkjets may be a big seller in the plotter market, but it's hardly the only choice. In fact it may not be a good choice at all if you need to run really high volumes of prints and you don't have time to waste. I've been a fan of thermal printers for years because they're extremely economical for people who run a lot of plots for internal use. ”

— October 2000 issue of CADLYST

*crisp images and  
image quality, print after print.*



# v8.5e Thermal Printer

## v8.5e Specifications

### PLOTTER CHARACTERISTICS

Plotter Width	9-inch carriage
Effective Plot Width	8.5 inches
Resolution	203 dots per inch
Bytes per Scan	Up to 264 bytes bimodal 1728 bytes grayscale
Plot Speeds	Up to 4 ips
Command Mode	Print Mode, Plot Mode (bimodal), Plot Mode (grayscale at 8, 16, 32, or 64 levels)
Media Formats	Roll, Fanfold
Plot/Media Consumables	Thermal Sensitive Paper, Film, Poly; Roll and Fanfold
Stepper Motor	Micro Step Technology
Front Panel User Functionality	Vertical Scaling, Media Type Selection (bimodal), Contrast Control (bimodal), Manual Plot Speed Select, Test Plot, 200 dpi Vertical Emulation, Form Feed Length Adjust, Advance Past TOF Mark, Bytes/scan (216, 264 presets bimodal), Form Feed, Manual Advance, Bimodal or Grayscale Mode Select
Front Panel Display Interface	Media Out, Over Temperature Versatec™ Greensheet, (Shortline/TTL) Standard, Centronics®, Compatible Parallel Interface Optional
Options	Paper Tray, Fanfold Guide, WIN 95/98/2000/NT/XP Drivers, Centronics® Parallel I/F, Versatec™ Greensheet (Longline/Differential), Media Catcher

### POWER REQUIREMENTS

Auto Range Input	110V/60Hz - 220V/50Hz
Current	3 Amps Maximum @ 110V 1.5 Amps Maximum @ 220 V

### PHYSICAL CHARACTERISTICS

Dimensions:	
Rackmount	Width: 19.0", Depth: 12.5", Height: 3.5", Weight: Net 23 lbs
Desktop	Width: 13.625", Depth: 12.5", Height: 3.5", Weight: Net 23 lbs

### ENVIRONMENT CHARACTERISTICS

Operating Temperature	32°-122°F, 0°-50°C
Operating Humidity	5%-95% Non-Condensing
Certifications	FCC CE cTUVus

*Subject to change without notice*

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FEATURES:	BENEFITS:
High imaging speed	High productivity and short turnaround time
Continuous feed	Non-stop imaging and high machine utilization
Simultaneous loading and unloading	High throughput
Unattended automated operation	Efficient operation without operator intervention
Small footprint	Requires minimal floor space for lower fixed costs
User-friendly interface	Easy to operate; fast learning curve
Ergonomic design	Easy paper loading/unloading; minimal maintenance

Dealer Stamp:

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