

# UV-84 DTS *Direct Color Systems*<sup>®</sup>

## High-Performance Industrial Printer

You asked,  
we listened...

That is how we designed the all new UV-84DTS Industrial UV LED flatbed printer. We created a true 8' x 4' | 250cm x 130cm industrial flatbed to print full size sheet stock. Our engineers made it capable of printing up to 4" | 10cm thick media. We added a proprietary white ink recirculation system that circulates right up to the nozzle plate for better white ink sustainability. We also added five, Ricoh Gen5 industrial printheads for greater control and longer printhead life.



Patented ADA/Braille Technology

All new, from the ground up.

### Higher Productivity at a Competitive Price

- > Five Ricoh Gen5 Printheads
- > Four color printing plus white and clear
- > ADApt G5 specially formulated inks
- > 720x300dpi up to 720x2400dpi
- > Precision dot placement provides sharper text and graphics
- > Variable drop grayscale technology allows for smoother gradients and less ink usage
- > Spend less time refilling the bulk ink system with large-capacity ink bottles (1L)
- > Crash Detect System helps to reduce the chance of costly head strikes

### Precision Printing & Production

- > Multiple vacuum zones for different size substrates for maximum holding power
- > Two heavy-duty vacuum pumps keep media in place for accurate dot placement
- > Easy-to-adjust leveling system
- > Y-Axis positioning accuracy of  $\pm 0.0015"$  | 0.0381mm
- > Specially formulated UV LED inks that were created for the UV-84DTS for precise jetting



### Multiple Applications

- > 4" | 10cm Print Height
- > Color Byte 11 with ADA Software and TEXTUR3D Software to help create truly unique signage
- > Variable control LED lights with 10W/CM2 power output with instant on/off feature
- > 10 pounds per square foot | 50kg per square meter of substrate weight
- > ADA/Braille, Point of Purchase, Labels, Tags, Promotional items, Packaging, Retail, Wayfinding, Home Décor, Wood, and many more

## Technical Specifications

Imaging Process	On-Demand Piezo Inkjet Printheads
Printheads	Ricoh Gen5 – White with Full Recirculation
Ink Droplet Size	Variable Grayscale Technology
Resolution <sup>1</sup>	Minimum 720x300dpi; Maximum 720x2400dpi
Ink	ADAPT G5 UV LED Ink in Cyan, Magenta, Yellow, Black, White, and Clear
Ink Delivery System	Bulk Ink system with 1.5L direct pour ink tanks
Print Speed <sup>2</sup>	ADA – 14 sq ft/hr   1.30 sq m/hr; TEXTUR3D 32 sq ft/hr   2.97 sq m/hr; Graphics – Quality Mode 192 sq ft/hr   17.84 sq m/hr
Y-Axis Accuracy	± 0.0015"   0.0381mm
Z-Axis Print Height	4"   10cm
Maximum Printable Area	96" x 48"   250cm x 130cm
Maximum Substrate Size	102" x 78"   260cm x 200cm
Media <sup>3</sup>	Prints to a variety of substrates. <sup>4</sup>
Windows Operating System	Windows 10 computer and monitor included
RIP Software	*New* Color Byte 11 with Compass Feature
Power Source	2 x 220V 20A 50/60Hz + 1 x 110V 10A 50Hz or 220V 5A 60Hz for computer & monitor
Operating Environment Temperature	60°F – 80°F   16°C – 26°C
Operating Environment Humidity	Non-condensing 50% -80%
Weight	3450lbs   1565kg
Dimensions	168" W x 78" L x 57" H   4.267m W x 1.981 L x 1.445m H
Warranty	1 Year Limited Warranty

Compliant with patents: [directcolorsystems.com/patents](http://directcolorsystems.com/patents)

<sup>1</sup> Substrate dependent. <sup>2</sup> Bidirectional: Print times may vary dependent on print mode configuration. <sup>3</sup> All substrates and textiles/fabrics should be tested for image receptivity, adhesion, and durability, with final acceptance and suitability determined by the customer. <sup>4</sup> Some materials may require the use of an adhesion promoter or a chemical wipe prior to printing to promote adhesion.

This data sheet is for informational purposes only. Direct Color Systems makes no warranties, expressed, or implied in this summary. Specifications are subject to change without notice. This is not an offer for sale.

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