

Professional Imaging SureColor S70670



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Specifications

Base Printing Technology

- Advanced MicroPiezo TFP Print Head^A
- Dual, 10-channel, drop-on-demand, ink jet heads
- 10-cartridge (C, M, Y, K, Lc, Lm, Lk, O + Optional W and MS)
- Epson UltraChrome GSX ink
- Professional-level solvent-based ink technology



Printer Nozzle Configuration

Color and Monochrome 720 nozzles per Color
 Smallest droplet size is 4.2 picoliters

Resolution

1440 x 1440 dpi; 1440 x 720 dpi;
 720 x 720 dpi; 720 x 360 dpi

Print Engine Speeds^B

720 x 1440 dpi, 44-pass (White and Silver)	11 SFPH
720 x 1440 dpi, 20-pass (Silver)	43 SFPH
720 x 1440 dpi, 36-pass (White)	32 SFPH
1440 x 720 dpi, 8-pass	140 SFPH
720 x 720 dpi, 6-pass	190 SFPH
720 x 720 dpi, 4-pass	280 SFPH
720 x 720 dpi, 2-pass	550 SFPH

Acoustic Noise Level

Approximately 59.5 dB(A) according to ISO 7779

Dimensions

Printer (includes printer, stand, take-in & take-up)

103"(W) x 50"(D) x 52"(H)
 Printer weight: 525 lbs

Optional Dryer

68"(W) x 9.5"(D) x 11"(H)
 Dryer weight: 20 lbs

Typical Print Job Speeds^B

Silver Signage	43 SFPH
White Banner Signage	67 SFPH
Decorative Fine Art Reproduction	140 SFPH
Photo Quality Vehicle Wraps	190 SFPH
Everyday Signage Production	280 SFPH
Typical Outdoor Banners	550 SFPH

Front-End RIP Workflow by ONYX

GamaPrint Pro PANTONE licensed PostScript Language Level 3 Compatible RIP by ONYX. Includes full workflow software with layout, nesting, tiling, custom spot color

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management, custom media support and RIP queue functionality. Note: For White and silver printing support, please contact ONYX.

The Epson SureColor S70670 is also supported by most leading third-party RIPs and workflows.

ONYX GamaPrint Pro RIP Requirements

Server Workstation:

Windows 7, Vista® or XP (32-bit or 64-bit)
3.2 GHz Intel® i7 or better 6 GB memory
recommended

Client Workstation:

Macintosh® 10.5+, Windows 7, Vista or XP (32-bit or 64-bit)

Printer Interfaces

Includes as standard one Hi-Speed USB 2.0
(1.1 compatible) and one Gigabit Ethernet port

Epson UltraChrome GSX Ink

Ink Cartridge	(700 ml)
Black	T715100
Cyan	T715200
Magenta	T715300
Yellow	T715400
Light Cyan	T715500
Light Magenta	T715600
Light Black	T715700
Orange	T715800
Optional Ink Cartridge	(600 ml)
White (600 ml)	T715A00
Silver Metallic (350 ml)	T715B00



Limited Warranty and Service

Standard one-year on-site next business day service with toll-free phone support Monday thru Friday.

Optional Epson SureColor S70670 Extended service plans available for purchase.

Printable Area

Maximum paper width	64-inch
Minimum paper width	12-inch
Minimum paper width (Layering)	20-inch
Left and right margins	0.20" (0.40" total)
Maximum printable width	63.60-inches

Maximum printable length limited by software application, OS, media length, and RIP

Media Handling

Media input	Single roll-to-roll, minimum 12" wide up to 64" wide
Cut-sheet size	17" x 22" up to 64" wide
Media core compatibility	2" or 3" cored media
Input roll media diameter	Up to 9.8"
Input roll media weight	Up to 90 lbs.
Media Weight/Thickness	from 45 gsm up to 1.0 mm thick
Roll media take-up reel	Fully automatic "wind in" or "wind out" with tension bar
Output roll media weight	Up to 90 lbs.

Heavy Roll Media System (Optional)

Power supplied by the printer	
Media core compatibility	2" or 3" cored media
Input roll media diameter	Up to 11.8"
Input roll media weight	Up to 175 lbs.
Output roll media diameter	Up to 11.8"
Output roll media weight	Up to 175 lbs.



Optional High-Capacity Roll Support (Heavy-roll support up to 175 lbs)

Media Heating System

Pre Heater	Off or 86° to 122° F (off or 30° to 50°C)
Platten Heater	Off or 86° to 122° F (off or 30° to 50°C)
Post Heater	Off or 86° to 131° F (off or 30° to 55°C)

Independently controlled via control panel or front-end RIP

Image Permanence Ratings

Outdoor permanence ratings are provided by 3M and Avery.

Please See www.averygraphics.com or www.mmm.com for more details

Electrical Requirements

Printer	Requires Two 110v Outlets
Voltage	AC 100-120 V, AC 200-240 V
Frequency	50-60 Hz
Current	20A at AC 110-120 V or 10A at AC 200-240 V
Included Dryer	Requires One 110v Outlet
Voltage	AC 100-120 V, AC 200-240 V
Frequency	50-60 Hz
Current	1A at AC 110-120 V or 0.5A at AC 200-240 V

Power consumption

Printer	
Operating	Approx. 800W or Less
Standby Heaters ON	Approx. 580W
Sleep	Approx. 12W
Power Off	Less than 0.9W or less



Epson Intelligent Ink Cartridge^C

Cartridge fill volume	700 ml each 8 colors total 600 ml white 350 ml Silver Metallic
Ink cartridge shelf life (recommended)	2 years from printed production date or 6 months after open

The printer is designed exclusively for use with EPSON cartridges for greater reliability.

Environmental Characteristics

Temperature Operating	59° to 86°F (15° to 30°C)
Storage	-4° to 104°F (-20° to 40°C)
Relative Humidity Operating	20 to 80% (40 to 60% recommended)
Recommended storage	5 to 85% (no condensation)
Installation requirements	Virtually any location with a typical air conditioning or other air ventilation system. No forced ventilation or air purification systems required ^D .

Products and Accessory Part Numbers

SureColor S70670 Production Edition (includes Onyx RIP, Stand & Take-up Reel)	SCS70670PE
SureColor S70670 High Production Edition (includes Onyx RIP, Stand & Take-up Reel, Heavy Roll Media System)	SCS70670HD
SureColor S70670 Ink Starter Pack (Includes 10-350 ml Cleaning Cartridges and One each of 700 ml CMYK LcLmLkO Cartridges)	GSXINK-8
SureColor S70670 Ink Starter Pack with WHITE and SILVER (Includes 10-350 ml Cleaning Cartridges, One each of 700 ml CMYK LcLmLkO Cartridges, One 600 ml White Cartridge, and One 350 ml Silver Metallic Cartridge)	GSXINK-10
Additional One-year SureColor S70670 Extended Service Plan - Silver	EPPS5070SB1
Additional One-year SureColor S70670 Extended Service Plan - Gold	EPPS5070GB1
Additional One-year SureColor S70670 Extended Service Plan - Platinum	EPPS5070PB1
Optional High Speed Print Dryer	C890751
Optional Heavy Roll Media System	C12C890761
Ink Cleaning Kit (for periodic print head cleaning)	T699300
Additional Printer Maintenance Kit (same kit that comes with a new printer)	T724100
Additional Cleaning Cartridge (for periodic print head washing)	T699000
Additional Waste Ink Bottle (for waste ink disposal)	T724000
Additional 64" Wide Media Take-up Core	C64CORE

^A The print head is a maintenance part which the user is responsible to replace when necessary. However, Epson covers head replacement while the printer is under the Epson Preferred Limited Warranty and under any Preferred Plus Plan (limited or unlimited number of head replacements, depending on the Preferred Plus Plan purchased). The life of the print head will vary depending on the user's print volume, print patterns and heater temperature for print settings. Doing proper user maintenance of the print head will help prolong its life.

^B All print speeds shown are based upon print engine speed only, in bi-directional mode. Total throughput times depend upon front-end RIP, file size, printer resolution, ink coverage, networking, etc.

^C The printer is designed to use only EPSON ink cartridges and not other brands of new or refilled cartridges, or other brands of ink or bulk ink systems. Using EPSON cartridges is important for reliable performance and high image quality. Epson offers voluntary recycling of spent ink cartridges.

^D Based on testing of one printer at a maximum ink duty in a room of 180 m3 and a ventilation coefficient of 2.2 (without any fan or air conditioning). For more information see the MSDS sheets in the download section.

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