

# Horizon® SF

## Multi-media Imager

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### EN - English

#### Overview

The Horizon SF combines small format diagnostic film, color paper and grayscale paper printing to provide the world's most versatile medical imager. Horizon's multiple media options help to immediately cut your costs, build referring physician loyalty and attract new business. Featuring color paper to show off your latest imaging techniques, low-cost, room light viewable grayscale paper and a compact, counter-top design, Horizon obsoletes film-only imagers. High speed image processing, networking and spooling are all standard.

#### Specifications

Print Technology: Dye-diffusion and direct thermal (dry, daylight safe operation)

Spatial Resolution: 320 DPI (12.6 pixels/mm)

Throughput: Up to 100 films per hour

Time To Operate: 5 minutes (ready to print from "off")

Grayscale Contrast Resolution: 12 bits (4096)

Color Resolution: 16.7 million colors

256 levels each of cyan, magenta, and yellow

Media Inputs: Three supply cassettes, 50-100 sheets each, one color ribbon

Media Outputs: Three receive trays, 50-sheet capacity each

Media Sizes: 8" x 10" (blue and clear) DirectVista® Film

A, A4 DirectVista Grayscale Paper

A, A4 ChromaVista® Color Paper

Dmax: >3.0 with DirectVista Film

Archival: >20 years with DirectVista Film, under ANSI extended-term storage conditions

Media Supply: All media is pre-packaged and factory sealed

Interfaces: Standard: 10/100 Base-T Ethernet (RJ-45), Serial Diagnostic Port, Serial Console

Network Protocols: Standard: FTP, LPR

Optional: DICOM (up to 24 simultaneous connections), Windows network printing

Image Formats: Standard: TIFF, GIF, PCX, BMP, PGM, PNG, PPM, XWD, JPEG, SGI (RGB),

Sun Raster, Targa

Optional: DICOM, PostScript™ compatibility

Image Quality: Automatic calibration using built-in densitometer

Image Control: Gamma, Contrast, Saturation, Medical Color Matching (MCM™), Polarity,

Rotation, Scaling, Antialiasing

Sheet Control: Density Adjustment (Dmax), Look-Up Tables (LUT), Image Warnings,

Captions, Sheet Coverage, Border Color, Border Fill, Crop Anchor

Sheet Formatting: 1:1 - 1:81; Variable Multi-Formatting (VMF™), Fixed Multi-Formatting (FMF™)

Control Panel: Large, backlit LCD display, Status lights include Online, Alert, Fault, Active Power and Menu navigation buttons

Processor: Intel

Memory: 512 MB RAM

Hard Disk: SSD, 32 GB (24 GB available for spooling)

Removable Storage: USB for software upgrades

Smart Card: 72 KB for storing configuration data

Power: Universal Input: 100-120/230V~ 50/60 Hz, 600W printing, 150W idle

Heat Emission: Maximum 600W, 2,050 BTUs/hr. printing, 150W, 512 BTUs/hr. idle

Weight: 66 lbs. (30 kg.)

Engine Dimensions: 14.5" (37 cm) H, 20.5" (52 cm) W, 24" (61 cm) L

Environment: Operating Temperature: 15-30C

Storage: -22.2 - 50.6C

Operating Humidity: 10-70% R.H. (non-condensing)

Regulatory: Full medical device compliance including Class 2 FDA and Class I MDR

2017/745/EU (CE), GMP/QSR, ISO 13485:2016/NS-EN ISO 13485:2016, Electrical Safety

IEC 60601-1 Ed. 3.1 and EMC/EMI: FCC Class A and IEC 60601-1-2: Ed. 4 for Professional

Healthcare Facilities