

Horizon[®] SF

THE WORLD'S MOST VERSATILE MEDICAL IMAGER.



CODONICS

Horizon® SF Multi-media Dry Imager

Product Description

Overview

The Horizon® SF is an intelligent, desktop dry film imager that produces superior diagnostic quality medical films as well as color and grayscale paper images fast, conveniently and affordably. The imager is compatible with many industry standard protocols including DICOM and Windows network printing. Horizon also features direct modality connection, with up to 12 DICOM connections simultaneously. High speed image processing, networking and spooling are standard.

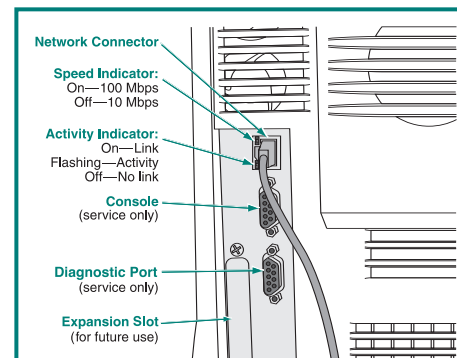
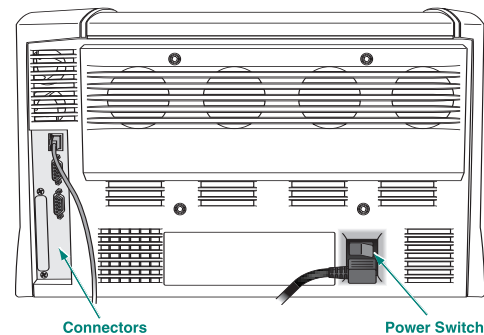
Specifications

| | |
|--------------------------------|--|
| Print Technology: | Dye-diffusion and direct thermal |
| Spatial Resolution: | 320 DPI (12.6 pixels/mm) |
| Throughput: | Up to 100 films per hour |
| 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" DirectVista® Film (blue and clear) A, A4 DirectVista® Grayscale Paper A, A4 ChromaVista® Color Film A, A4 ChromaVista® Color Paper |
| Dmax: | ≥3.10 with DirectVista® Film. |
| Archival: | ≥20 years with DirectVista® Film, under ANSI extended-term storage conditions |
| Supply Cassettes: | All media is pre-packaged in factory sealed, disposable cassettes |
| Interfaces: | Standard: 10/100 Base-T Ethernet (RJ-45), Serial Diagnostic Port, Serial Console |
| Network Protocols: | Standard: FTP, LPR Optional: DICOM, 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 |
| Sheet Formatting: | Variable Multi-Formatting (VMF™), Fixed Multi-Formatting (FMF™), 35mm SlideMaker™ |
| Control Panel: | Large, backlit LCD display Status lights: Online, Alert, Fault, and Active Power and Menu navigation buttons |
| Processor: | Intel |
| Memory: | 256MB RAM |
| Hard Disk: | 10 GB (8GB available for spooling) |
| Removable Disk: | 100 MB ZIP™ Disk for software upgrades |
| Smart Card: | 16 KB for storing configuration data |
| Power: | Universal Input: 100-120/230V~ 50/60 Hz 600W printing, 150W 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: 10-80% R.H. |

Imager and Cassettes



Back Panel



⚠ Class 1 laser product according to IEC 60825-1 and 21 CFR 1040.10 and 1040.11.

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17991 Englewood Drive
Middleburg Heights, OH 44130 USA
(440) 243-1198
(440) 243-1334 Fax
Email info@codonics.com
www.codonics.com

Codonics Limited KK
New Shibaura Bldg. F1
1-3-11, Shibaura
Minato-ku, Tokyo, 105-0023 JAPAN
Phone: 81-3-5730-2297
Fax: 81-3-5730-2295