Horizon® SF Multi-media Dry Imager

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.
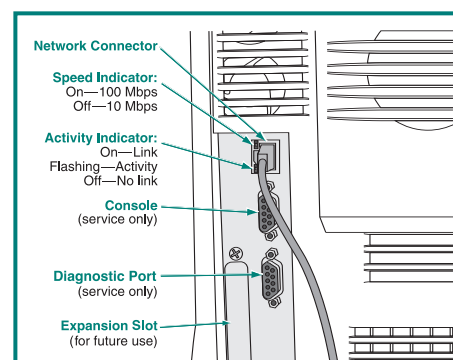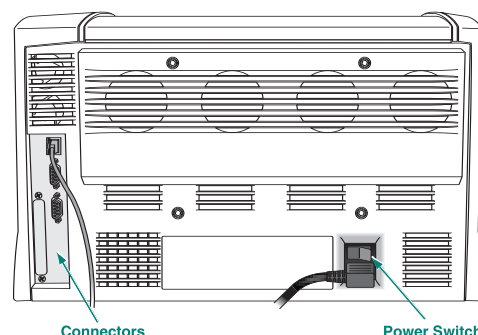
Specifications

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:	10GB (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

Connectors

Power Switch

Network Connector

Speed Indicator:
On—100 Mbps
Off—10 Mbps

Activity Indicator:
On—Link
Flashing—Activity
Off—No link

Console
(service only)

Diagnostic Port
(service only)

Expansion Slot
(for future use)

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

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