

Horizon[®] Ci-rad

8" x 10", 11" x 14", 14" x 17"
Blue and Clear Film

Multi-media Imager

Overview

Horizon Ci-rad combines diagnostic film, color paper and grayscale paper printing to provide the world's most versatile medical imager, including both 14" x 17" and 11" x 14" media sizes for value and convenience in the CR/DR environment. 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", 11" x 14", 14" x 17" (blue and clear) DirectVista [®] Film A, A4, 11" x 14", 14" x 17" DirectVista Grayscale Paper 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 Optional: DICOM (up to 24 simultaneous connections), Windows network printing
Network Protocols:	Standard: FTP, LPR Optional: DICOM, PostScript [™] compatibility
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:	256MB RAM
Hard Disk:	40GB (18GB available for spooling)
Removable Disk:	100MB ZIP [™] Disk for software upgrades
Smart Card:	32 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 1 MDD CE, GMP/QSR, ISO13485:2003, 60601-1 Safety, and EMC/EMI (55011(B) & 60601-1-2) for Healthcare Facilities



Sunrise Express "Swap" Service

Smart Card from imager being replaced contains all of your internal settings such as IP addresses, gamma and contrast . . .



Smart Card is transferred to replacement imager for instant uptime!

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



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