Horizon® Ci-rad

Multi-media Imager

CODONICS

Defining Image Distribution

Horizon® Ci-rad

Multi-media Imager

8" x10", 11" x 14", 14"x17"
Blue Film

8" x10", 14"x17"
Clear Film

A, A4, 11" x 14", 14"x17"
Grayscale Paper

A, A4
Color Paper

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" x17" 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:	≥3.0 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:	512MB 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: 15-30 C Storage: -22.2 - 50.6 C 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

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.

CE

CODONICS®

We bring the future into focus

Call Codonics today at 800-444-1198 or visit www.codonics.com for more information.

17991 Englewood Drive
Middleburg Heights, OH 44130 USA
+1.440.243.1198
+1.440.243.1334 Fax
Email: info@codonics.com
www.codonics.com

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