

Horizon® Ci-rad

Multi-media Imager

EN - English

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: >3.0 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: 15-30C
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