

Horizon® G1

Multi-media Imager

EN - English

Overview

The Horizon G1 is an intelligent, desktop dry imager that produces diagnostic quality medical films plus grayscale paper prints if you choose the optional paper feature. The imager is compatible with many industry standard protocols including DICOM and Windows network printing. Horizon also features direct modality connection, with up to 24 simultaneous DICOM connections. High speed image processing, networking and spooling are standard.

Specifications

Print Technology: 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)

Media Inputs: One supply cassette, 80-100 sheets

Media Outputs: One receive tray, 50-sheet capacity

Media Sizes: 8" x 10", 14" x 17" (blue and clear), 11" x 14" (blue) DirectVista® Film

Optional A, A4, 14" x 17" DirectVista Grayscale 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: 10/100/1,000 Base-T Ethernet (RJ-45), Serial Console

Network Protocols: Standard: 24 DICOM connections, FTP, LPR

Optional:

Windows network printing

Image Formats: Standard: DICOM, TIFF, GIF, PCX, BMP, PGM, PNG, PPM, XWD, JPEG, SGI (RGB), Sun Raster, Targa

Optional:

PostScript™ compatibility

Image Quality: Manual calibration

Image Control: Gamma, Contrast, Polarity, Rotation, Scaling, Antialiasing

Sheet Control: Density Adjustment (Dmax), Look-Up Tables (LUT), Image Warnings, Captions, Sheet Coverage, 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: 2 GB

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, 400W printing, 45W idle

Heat Emission: Maximum 400W, 1,366 BTUs/hr. printing, 45W, 153 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 - 50 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