Horizon® G2

Multi-media Imager

EN - English

Documentation and Notice

Codonics Products are Class I products intended for use by Healthcare Professionals. Products packaging and labeling, including Graphic User Interface (GUI) for operation are offered in English and meet MDR, Annex I, Chapter III, 23.4, taking account the training and the knowledge of the potential user.

*Web information, Key Specifications, Intended Use, User manual Appendix, Quick Start Guide & Setup IFU are available in simple translation Member State Languages; primary IFU are available in English.

Overview

The Horizon G2 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: Two supply cassettes, 80-100 sheets each
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