



iCAD

TotalLook MammoAdvantage

Comprehensive solution for converting analog films to digital images.

The TotalLook MammoAdvantage system converts mammography films to digital images for comparative review on a single digital workstation. TotalLook MammoAdvantage's comprehensive, flexible DICOM connectivity solutions enable seamless integration with leading PACS and RIS systems. TotalLook systems install quickly on-site and are supported by iCAD's award-winning customer support and service teams.

Key Benefits

- **Superior performance**
 - > Film-to-digital conversion with superb image fidelity and customizable image output
 - > Improve accessibility and save valuable storage space with Intelligent Image Compression
- **Seamless integration with leading PACS, mammography review stations, and RIS**
 - > Provides the most powerful, flexible DICOM connectivity solution
 - > Saves time with easy access to filtered DICOM patient work lists
 - > Sends DICOM images to simultaneous multiple locations
 - > Dynamic selection of DICOM-send destinations
- **Superior workflow and digital adaptation**
 - > Accommodates easy comparative review of priors on a single workstation
 - > Adapts easily to digital workflow to protect investment
 - > Customizable image output to meet reader preference

Key Features

- **State-of-the Art Digitizer**
 - > Uses the latest advancements in high-definition CCD technology
 - > Converts film to digital images
 - > Load and go batch processing
- **Customizable Image Output**
 - > FilmLook - view digitized images that look like original films
 - > DigitalLook - view digitized images that look like digital images
 - > PremiumLook - view digitized images that look like PremiumView digital images
 - > Specialized pixel mapping and masking features to allow flattening of low level pixel values to near black (zero value) in selected areas
- **Intelligent Image Compression**
 - > Applies Intelligent Image Sampling and/or JPEG lossless compression techniques
 - > Reduces files sizes by up to 75%
 - > Maintains excellent image quality
 - > Customizable image resolutions up to 100 micron spot sizes enable TotalLook MammoAdvantage images to be displayed at the same size as the digital images from all FFDM providers
- **Flexible DICOM Connectivity**
 - > Query DICOM patient work lists
 - > Support various network configurations including integration with servers, printers and review workstations



Main Components

Digitizer

Detector: patented CCD technology
Speed: 20 seconds for 18 x 24 cm films; 33 seconds for 24 x 30 cm films
Film Size: 18 x 24 cm to 24 x 30 cm
Process: supports continuous feed and mixed film size cases
Spot size resolution: 44 microns
Range: 0.05 to 4.2 optical density
Resolution: 570 DPI and 11 line pairs per millimeter
Bit depth: 12-bit grayscale

Computer

Processor: Intel Core Duo 2.2 Ghz
Chassis: Dell
RAM: 2 GB
Hard Drive: 200 GB
Network Adaptor: 10/100/1000 base T
Operating System: Windows XP

Monitor

Active matrix 15" TFT LCD
Flat panel display
Touch screen interface

Bar Code Reader

Integrated scanner
36 lines per second
Reads common bar code symbologies

Physical Specifications

Digitizer

Height: 25.5 in
Length: 21.25 in
Width: 19 in
Please note that dimensions are for the unit only and additional space will be needed for cable clearance and ventilation.

User Display

15 in monitor, touch screen
Height: 11.3 in
Width: 14 in
Depth: 10.5 in

Keyboard

Height: 14 in
Length: 16 in
Width: 5 in

UPS

Height: 4.7 in
Length: 14.5 in
Width: 6.6 in
Weight: 16 lbs

There is a 1 inch ventilation requirement for the UPS.

Specifications

Safety Standards

IEC 60950-1 (2001) First Edition
UL 60950-1 (2003) First Edition CSA C22.2 No. 60950-03 (April 2003) First Edition
CE
FDA
FCC
VCCI

Environmental Specifications

Humidity: Operating within the range of 35-80%
Altitude: Within the range of 0-8,000 feet (0-344 meters)
Temperature: Operating within the range of 60-90 degrees Fahrenheit (15-32 degrees Celsius)

Electrical Specifications

Voltage: Autoswitched 100 to 230 volts AC
Frequencies: Autoswitched 50/60 Hz
Current Requirements: 4.75A to 8A max
Connectivity: Ethernet interface (RJ45 connector), Analog phone line (RJ11 connector), VPN access

Accessories

Case separators (pkg of 12)



98 Spit Brook Road, Suite 100 Nashua, NH 03062
+1 866 280 2239 toll free +1 937 431 1464 phone sales@icadmed.com email
www.icadmed.com