



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](http://www.icadmed.com)