



MILESTONE
H E L P I N G
P A T I E N T S



MacroVIEW DM

Macro digital imaging
for advanced anatomical and forensic investigations

MacroVIEW DM Macro digital im

The MacroView DM builds on our over 15 years of digital imaging experience by dramatically improving the standardization and documentation of pathology procedures.

Capture images of whole bodies, body parts, and large organ systems.

Add visual or audio annotations to the images and also record video to create a more descriptive record of the autopsy, necropsy, or forensic case.

An innovative tool with a wide field of applications

- Diagnostic post mortem
- Forensic post mortem
- Veterinary labs for necropsy of animals
- DVI (Disaster Victim Identification)

Benefits

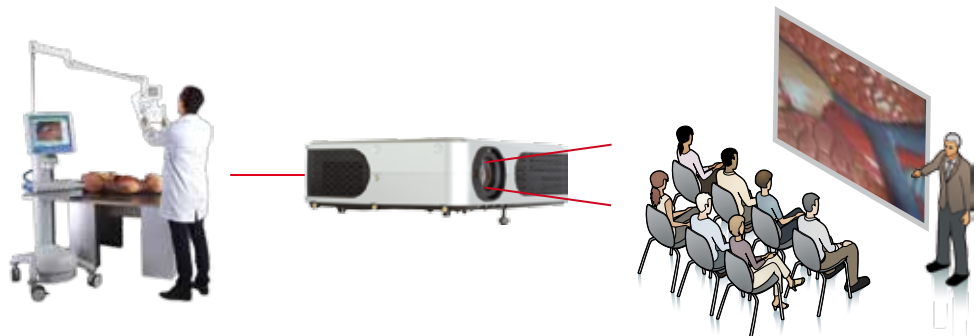
- See, capture and store images for areas of interest.
- Reduce turnaround time and cost.
- Eliminate extensive audio tape descriptions for future transcription and rechecking for errors.
- Eliminate both traditional 35mm film photography and manual digital photography.
- Edit images with annotation in the convenience of the pathologists office.
- Library of images are readily available to the law enforcement officer at the end of autopsy, via USB ports.
- Automatic storage of images in connection with case ID number.
- Powerful automatic sizing features integrated with imaging system.



Flexibility

Organ examination: MacroVIEW DM can be positioned over the examining table to acquire images and detail of excised organs.

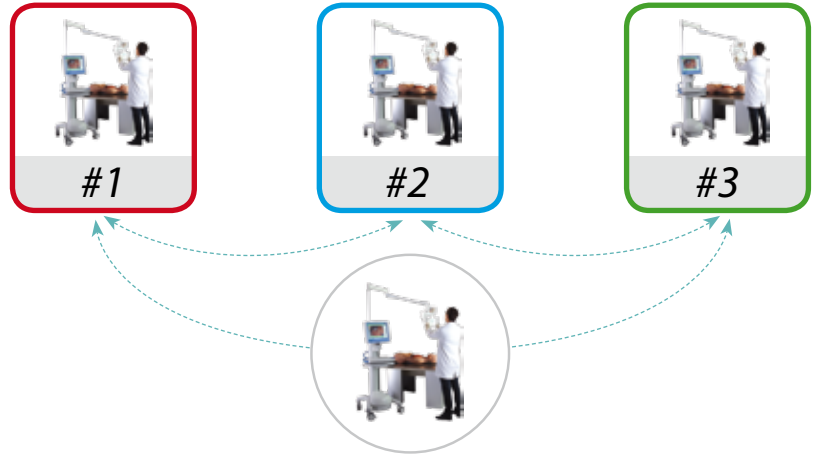
Teaching/training: In a teaching environment, by simply connecting the MacroVIEW DM to an LCD projector, the actual sequence of examination can be shown to a large audience.



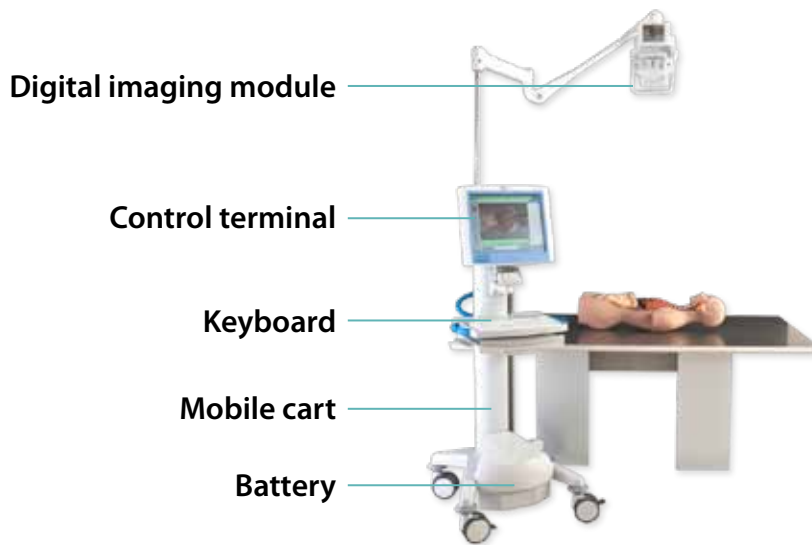
Imaging system for diagnostic and forensic

The versatility of MacroVIEW DM

The medical-grade battery-powered mobile cart allows for enhanced flexibility in multiple table/room facilities.



The simplicity of MacroVIEW DM



Digital Imaging Module

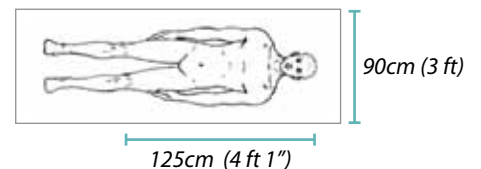
The imaging module with built-in camera and control monitor is mounted on a mobile extended spring arm, to ensure ease-of-use and a full view of large specimens (human or animal bodies)



Field of view

At the max. vertical extension of the arm of 200 cm (6 ft 6"), a field of view of 125x90 cm (4 ft 1" x 3 ft) can be investigated.

For larger field of view an optional Wi-Fi, ceiling mounted, camera is available



post mortem investigations



The 5.6" TFT/LCD color monitor enables pathologist to easily check the field of view, without having to look at the main control terminal

Thumb-operated control buttons on a flat, waterproof keypad

Handles are easily removed for cleaning/sterilization



The 9 megapixel industrial digital camera with autofocus, auto light adjusting, and 10x optical magnification, captures outstanding quality images, in JPG format. Camera magnification range allows for capture of large to minute details



Wi-Fi camera (optional) for ceiling mounting to expand field of view, up to 215x255 cm (7 ft x 8 ft 5") at a height of 210 cm (7 ft)



LED lights for optimal visibility of dark areas (abdominal cavities, skulls)



Waterproof Control Terminal
The Point Of Care (POC) unit features 17" color touch-screen TFT-LCD in a splash and dust-proof enclosure. 80GB hard drive with 4 USB ports



Waterproof Keyboard
USB keyboard with IP68 dust/water protection











Battery
Heavy-duty mobile battery powers the unit for up to 8 hours of flexible use



User-centric controls

The unique features of MacroVIEW DM

- 1**  **Start a new case file.**
Scan barcode or enter case data by keyboard.
- 2**  **Capture a digital image of the requisition form.**
- 3**  **Press "save".**
Capture and store images. Saved images appear as thumbnails on the right.
- 4**  **Create a library of images in JPG format, simply rapidly and economically.**
- 5**  **Voice recording.**
Audio recordings are saved in the MP3 format.
- 6**  **Video recording.**
MacroVIEW D records videos to support case descriptions in the AVI format.
- 7**  **Annotations.**

 - Sizing/surface area
 - Block sampling
 - Freehand drawing
 - Text and more
- 8**  **Generate assets for use in case reports.**
An improved method for generating enhanced case reports.

MileVIEWER: the state-of-the-art digital system for telepathology



MacroVIEW DM can be connected via Internet to share all relevant information of the autopsy/necropsy procedures with remotely located pathologists through the new MileVIEWER software package.



Highest security standard

The MacroVIEW DM remote connection features completely secure data channels with key exchange and AES (256 Bit) session encoding, the same security standard used by https/SSL.

Interfacing the MacroVIEW DM

In addition to stand-alone operations, MacroVIEW DM can interface with a PACS or LIS through dedicated or TWAIN protocols.

Stand-alone system



Saved locally



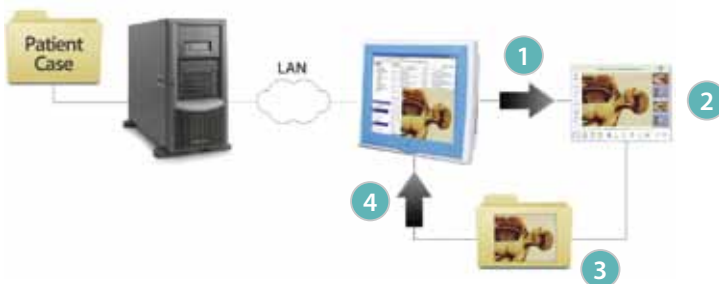
Saved in a network location

Interfacing with PACS (Picture Archiving and Communications System)



Software running in the background monitors a network location for image additions.

Interfacing with LIS (Laboratory Information System)



MacroVIEW DM acts as a secondary application to the LIS. Patient case identifier is held by LIS.

- 1 LIS launches MacroVIEW DM.
- 2 User completes image acquisition and annotation.
- 3 Assets are transferred to the LIS.
- 4 Additional operations by the user (image manipulation, selection of images for inclusion into patient reports, etc).

Use as TWAIN device



MacroVIEW DM acts as a secondary application launched via TWAIN protocol. Multiple images are taken and manipulated and then transferred to the primary application (LIS or other program with TWAIN import capability).

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HELPING PATIENTS

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UNI EN ISO 9001: 2008 CERTIFIED - Registration N° 0513907

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