Touch the Future of Gel and Blot Imaging!

The introduction of the new ChemiDoc-IT™ and GelDoc-IT™ Imagers marks a new generation of simplicity and imaging control for researchers. These Imagers successively combine a powerful computer, integrated touch screen and software interface into an easy-to-use plug and play unit. The image capture functions are presented in a straightforward and efficient workflow format enabling users to spend less time hassling with equipment and more time conducting research and analysis. Users can be assured of quick and simple image capture with a touch of the screen.

The built-in computer creates a networkable stand-alone system. Users can capture images in one compact unit, save to the USB stick and transfer the images to a separate computer for further documentation or analysis.

Touch Screen Simplicity

Researchers can perform simplified imaging with the integrated image capture software and touch screen interface.

- **Ease of Use**: The straightforward interface guides users through the live preview, capture and save functions. When a function is active, the software clearly highlights the status for ease of workflow and navigation.
- **Touch Screen**: Users can easily control settings with the user-intuitive touch screen interface.

Blot and Gel Imaging with a High Sensitivity Cooled CCD Camera

Cooled CCD Camera and large 15.6” display on the cabinet, offer high sensitivity for chemiluminescence and fluorescence imaging applications.

Creation Filters are placed in the easy access five-position filter tray. An additional filter is standard. Additional filters are available.

Gel White Lights are built into the cabinet for lighting and focusing purposes.

Chemi Tray enables placement of samples such as chemiluminescent Western blot.

Transilluminator is placed on the easy access roll-out tray.

Choose from models with single UV or multiple UV wavelengths and filter sizes from 21x26cm to 25x26cm.

System Selection

ChemiDoc-IT™ Imagers are configured with specific cameras for optimizing blot and gel imaging results. Select from highly sensitive cooled CCD cameras for enhanced chemiluminescence and fluorescence imaging applications.

- ChemiDoc-IT™ES with class-leading image resolution enables shorter exposure times in fluorescence and chemiluminescence applications.
- ChemiDoc-IT™ES gains affordable, high sensitivity for a variety of chemiluminescence and fluorescence imaging applications.

Gel Imaging with a High Sensitivity Cooled CCD Camera

Large Touch Screen is integrated into the system with a generous 15.6” for maximum imaging functionality.

USB and SD Ports are located on the side of the cabinet for saving images.

Access Port provides access for the optional BioLite guides.

Viewing Window blocks UV wavelengths and filter sizes from 21x26cm to 25x26cm.

Compact, Light-Tight Cabinet is ideal for multiple users and multiple applications.

Multiple Imaging Applications

Researchers performing colorimetric stable light imaging with either Imager can add the optional LED White Light Plate. This plate supplies uniform white light transillumination.

For multiple imaging with ChemiDoc-IT™ Imagers, researchers can add the BioLite Multiposition Light source for excitation of a wide range of fluorophores.

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Touch the Future of Gel and Blot Imaging!

The Touch Screen Simplicity

Researchers can perform simplified imaging with the integrated image capture software and touch screen interface.

- **Ease of Use**: The straightforward interface guides users through live preview, capture and save functions. When a function is active, the software clearly highlights the status for ease of workflow and navigation.
- **Touch Screen**: Users can easily control settings with the user-intuitive touch screen interface.

The action control panel lets users fine tune exposure, aperture, zoom and focus functions which can be adjusted with a touch of the screen. All settings in process are clearly displayed.

Additional software functionality is a click away with the conveniently located buttons.

**Ease of Use**:

Users can easily control settings with the user-intuitive touch screen interface.

**Touch Screen Simplicity**

The intuitive control panel guides users through live preview, capture and save functions. When a function is active, the software clearly highlights the status for ease of workflow and navigation.

**Touch Screen**:

Users can easily control settings with the user-intuitive touch screen interface.

The action control panel lets users fine tune exposure, aperture, zoom and focus functions which can be adjusted with a touch of the screen. All settings in process are clearly displayed.

- **Auto Adjust**: This efficient tool automatically adjusts the image histogram for achieving ideal imaging results.
- **Saturation Warning**: A colored overlay shows saturated areas of an image, helping users to adjust the exposure and/or aperture settings.
- **Lighting and Filters**: This menu allows selection of epi and transillumination lighting and emission filters.
- **Preferences**: The user-preference window allows adjustment of default system settings such as location for saving captured images.

**System Selection**

ChemiDoc-It²TS2 imagers are configured with specific cameras for optimizing blot and gel imaging needs. Select from highly sensitive cooled-CCD cameras for enhanced image quality.

- **ChemiDoc-It²TS2**: High sensitivity for fluorescence and chemiluminescence imaging applications.

**Multiple Imaging Applications**

Researchers performing colorimetric stable light imaging with either Imager can add the optional LED White Light Plate. This plate supplies uniform white light transillumination.

Multiple LEDs can be used for optimizing colorimetric and chemiluminescence imaging applications.

**Multiple LED Applications**

- **Fluorescence**
- **Colorimetric**
- **Multiplex**

**System Selection**

GelDoc-IT™ Image is configured with a high-resolution CCD camera for fluorescence and chemiluminescence imaging applications.

**Multiple Imaging Applications**

Researchers performing colorimetric stable light imaging with either Imager can add the optional LED White Light Plate. This plate supplies uniform white light transillumination.

For multiple imaging with GelDoc-IT™ imagers, researchers can add the BioLite Multipoint Light Source for excitation at a wide range of wavelengths.
Touch the Future of Gel and Blot Imaging!

The introduction of the new ChemiDoc-IT²S and GelDoc-IT²S Imagers marks a new generation of simplicity and imaging control for researchers. These Imagers successfully combine a powerful computer, integrated touch screen and software interface into an easy-to-use plug and play unit. The image capture functions are presented in a straightforward and efficient workflow format enabling users to spend less time hassling with equipment and more time conducting research and analysis. Users can be assured of quick and simple image capture with a touch of the screen!

The Touch Screen Interface guides users through live preview, capture and save functions. When an image is captured, the software automatically inserts a folder name on the side of the cabinet for saving images. USB and SD Ports are located on the side of the cabinet for saving images.

Researchers can perform simplified imaging with the integrated image capture software and touch screen interface.

- **Ease of Use:** The straightforward interface guides users through the process of capturing and saving images. When an image is captured, the software automatically inserts a folder name on the side of the cabinet for saving images.
- **Touch Screen:** Users can easily control settings with the user-friendly touch screen interface.

**Function Control Panel**

- **Live Preview**
- **Capture**
- **Save**

**Touch Screen Simplicity**

The action control panel lets users fine tune exposure, aperture, zoom and focus functions which can be adjusted with a touch of the screen. All settings in process are clearly displayed.

- **Auto Adjust:** This efficient tool automatically adjusts the image histogram for achieving ideal imaging results.
- **Saturation Warning:** A colored overlay shows oversaturated areas of an image, alerting users to adjust the exposure and/or aperture settings.
- **Emission Filters:** This menu allows selection of epi and transillumination lighting and emission filters.
- **Preferences:** The user-friendly window allows adjustment of default system settings such as for saving captured images.

**System Selection**

ChemiDoc-IT²S Imagers are configured with specific cameras for optimizing blot and gel imaging results. Select from highly sensitive cooled CCD cameras for enhanced chemiluminescence and fluorescence imaging applications.

- **ChemiDoc-IT²S Applications**
  - Chemiluminescence
  - Fluorescence
  - Colorimetric
  - Multiplex

Gel Imaging with a High Sensitivity Cooled CCD Camera

- **Large Touch Screen** is integrated into the system with a generous 15.2" for imaging applications.
- **Emission Filters** are placed in the easy access five-position filter tray. An ethidium bromide filter is standard; additional filters are available.
- **Lighting and Filters:** An ethidium bromide filter is standard; additional filters are available.
- **Soft Touch Imaging Control Panel** is an intuitive control panel for simplifying the imaging workflow.
- **USB and SD Ports** are located on the side of the cabinet for saving images.
- **Viewing Window** blocks UV while allowing visualization of samples without opening the cabinet door.
- **Compact, Light-Tight Cabinet** is ideal for multiple users and multiple applications.

**Multiple Imaging Applications**

Researchers performing colorimetric visible light imaging with either Imager can add the BioLite guides for the optional BioLite guides.

**Gel Imaging with a High Sensitivity Cooled CCD Camera**

- **Large Touch Screen** is integrated into the system with a generous 15.2" for imaging applications.
- **USB and SD Ports** are located on the side of the cabinet for saving images.
- **Access Port** provides access for the optional BioLite guides.
- **Viewing Window** blocks UV while allowing visualization of samples without opening the cabinet door.
- **Compact, Light-Tight Cabinet** is ideal for multiple users and multiple applications.

**Gel Imaging with a High Sensitivity Cooled CCD Camera**

- **Large Touch Screen** is integrated into the system with a generous 15.2" for imaging applications.
- **USB and SD Ports** are located on the side of the cabinet for saving images.
- **Viewing Window** blocks UV while allowing visualization of samples without opening the cabinet door.
- **Compact, Light-Tight Cabinet** is ideal for multiple users and multiple applications.

**Multiple Imaging Applications**

Researchers performing colorimetric visible light imaging with either Imager can add the BioLite guides for the optional BioLite guides. This plate supplies uniform white light transillumination.

For multiple imaging with ChemiDoc-IT²S Imagers, researchers can add the BioLite Multiplex Light Source for excitation of a wide range of fluorophores.
The modular design of the ChemiDoc®-IT™ and GelDoc®-IT™ Imagers enables users to select components and add optional equipment as necessary for specific imaging applications.

Ordering Information & Specifications

System Specifications:

- **Monitor:** 15.6” touch screen
- **Software:** TSD image capture software
- **Computer:** Intel Core i5 dual core processor 2.4GHz, 4GB RAM, Windows 7
- **Save Options:** USB stick or transfer images via network
- **Dimensions (WDH):** 17.5 x 14.5 x 33.5 in.
- **Camera:** MegaCam 810
  - **CCD Bit Depth:** 12 bit
  - **Pixel Resolution:** 1600 x 1200
  - **Grayscale:** 65,536
  - **File Bit Depth:** 16 bit
- **GelCam 310 Camera:**
  - **CCD Bit Depth:** 12 bit
  - **Pixel Resolution:** 2048 x 2048
  - **Grayscale:** 65,536
- **BioLite:**
  - **CCD Bit Depth:** 12 bit
  - **Pixel Resolution:** 2048 x 2048
  - **Grayscale:** 65,536
- **File Bit Depth:** 16 bit

- **Emission Filters:** EtBr (580-630nm)
- **Peak / 425nm: 50% / 44% 55% / 45% Quantum Eff.
- **Quantum Eff.:**
  - **50% / 44% 55% / 45% Quantum Eff.
- **Peltier Cooling:** 35 oC below ambient 35 oC below ambient
- **Megapixels:** 8.1 2.1
- **Pixel Resolution:** 3296 x 2472 2048 x 2048
- **Grayscale:** 65,536 65,536
- **File Bit Depth:** 16 bit 16 bit
- **CCD Bit Depth:** 16 bit 16 bit

- **Additional options available:**
  - USB stick or transfer images via network
  - Ethernet or Wi-Fi

- **Camera Specifications:** With ChemiDoc-IT
  - **TFD:** 1000
  - **Quantum Eff.:**
    - **50% / 44% 55% / 45% Quantum Eff.
  - **Peltier Cooling:** 35 oC below ambient
  - **Quantum Eff.:**
    - **50% / 44% 55% / 45% Quantum Eff.
- **Lens:** 50mm f/1.2 or 12.5-75mm f/1.2
- **Peak / 425nm: 50% / 44% 55% / 45% Quantum Eff.

- **Quantum Eff.:**
  - **50% / 44% 55% / 45% Quantum Eff.
- **Peltier Cooling:** 35 oC below ambient
- **Megapixels:** 8.1 2.1
- **Pixel Resolution:** 3296 x 2472 2048 x 2048
- **Grayscale:** 65,536 65,536
- **File Bit Depth:** 16 bit 16 bit
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For a quote or additional information contact:

Follow us: twitter.com/uvpbioimaging

Gel Tapes are excellent instruments for researchers working with gels. GelCalc and GelScoper, GelFinder and GelTrays.

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Fax: (909) 946-3597 Web Site: UVP.com

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For a quote or additional information contact:
**Filter sizes range from 21x26 cm up to 25x26 cm. Additional models are available.**

**Optional models feature single or 3 UV wavelengths.**

**Transilluminator emits <5% coefficient of variance (CV) for viewing samples such as autoradiographs, Coomassie Blue and Silver Stains.**

**Converter Plate are also available:**

- UV to White Light Plate: Converts 302 nm UV to 365 nm UV
- BioLite MultiSpectral Light Source
- UV Lamp Modules
- LED White Light Plate and Converter Plates
- Thermal Printer
- Emission Filters
- LED White Light Plate
- ULV Transilluminator
- Emission Filters
- Choice of UV Transilluminator

**Module Design Components**

- A side-out, free-position emission filter tray is conveniently located on the side of the cabinet. An emission biomass filter is standard. Easily access the tray to add filters for myriad imaging applications. Contact UVP for filter information.

**Optional Equipment**

- BioLite supplies powerful stereotyped illumination or transillumination via fiber optic cable. A wide range of filters are available to meet specific wavelengths. Contact UVP for BioLite details as well as standard and custom filters sets.

- Generate archival quality, 256 grey scale prints with this compact thermal printer. Glossy and matte papers are available.

- Gel Tools are excellent instruments for researchers working with gels. Tools available include Gel-Cutter, Gel-Scooper, Gel-Ruler and Gel-Trays.

**Ordering Information & Specifications**

**System Specifications:**
- Monitor: 16.9” touchscreen
- Software: TSD image capture software
- Computer: Intel® processor, 4GB RAM, 320GB HDD
- Software Options: ChemiDoc-It, GelDoc-It and VisionWorks LS
- Dimensions (WxHxD): 17.5 x 14.5 x 33.5 in.
- Megapixels: 8.1
- Pixel Resolution: 3296 x 2472
- Grayscale: 65,536
- CCD Bit Depth: 16 bit

**ChemiDoc-ItTS2 510 Imager**
- Camera: MegaCam 510
- White Light: 1200 W/m²

**ChemiDoc-ItTS2 810 Imager**
- Camera: MegaCam 810
- White Light: 1600 W/m²

**LED White Light Plate** puts you in the cabinet for any UV illumination. The lamp modules can be removed for hand use. Select from longwave (365nm), shortwave (254nm) or combination 254/365nm lamp modules.

**Touch the Future of Gel and Blot Imaging!**

For a quote or additional information contact:

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Use the above details to contact us if this literature doesn't answer all your questions.

Pricing on any accessories shown can be found by keying the part number into the search box on our website.

The specifications listed in this brochure are subject to change by the manufacturer and therefore cannot be guaranteed to be correct. If there are aspects of the specification that must be guaranteed, please provide these to our sales team so that details can be confirmed.