ChemiDoc-It®TS3 and GelDoc-It®TS3 Imaging Systems

- Advanced, high resolution gel and blot image capture
- Integrated design and intuitive software simplify your workflow

UVP®

An Analytik Jena Company

Gel and blot imaging with a touch of the screen!

ChemiDoc-It^{TS3} Imaging Systems

Introducing a new compact design!

Cooled CCD Camera and lens offer high sensitivity detection for fluorescence and chemiluminescence imaging applications

Slide-out Filter Tray for easy access to the five-position filter tray

An ethidium bromide filter is standard; additional filters are available

Light-tight Cabinet is ideal for chemiluminescent blot imaging applications

Large Touch Screen Computer is integrated into the system; generous 15.6” screen size plus stylus pen

USB Port located on the side of the cabinet for saving images

Side Port provides access for the optional BioLite source

Transilluminator is placed on the easy access roll-out tray

Choose from models with single UV or 3UV wavelengths and filter sizes from 21x26cm to 25x26cm

Epi UV and White Lights

Fold-Down Tray for closer imaging of blots

Chemi Tray (not pictured) is included with the ChemiDoc-It^{TS3} for placement of samples such as chemiluminescent Western blots

System Selection

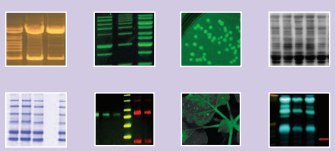
The **ChemiDoc-It^{TS3}** Imaging Systems are configured with deeply cooled, high specification cameras for optimizing blot and gel imaging results.

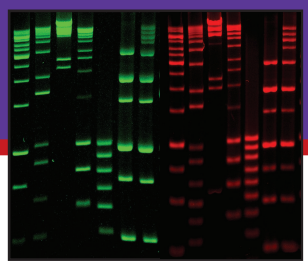
- **ChemiDoc-It^{TS3} 815** features 8.1 megapixels and shorter exposure times in fluorescence and chemiluminescence applications
- **ChemiDoc-It^{TS3} 615** features high quantum efficiency and sensitivity into the NIR range
- **ChemiDoc-It^{TS3} 515** offers affordable yet high sensitivity imaging for a variety of chemiluminescence and fluorescence imaging applications

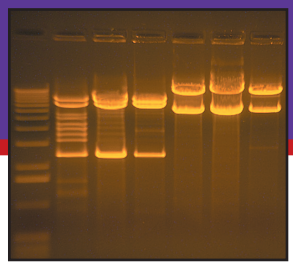
Camera	Lens	Field of View (cm)
815	42.5mm f/0.95	19 x 28
615	25mm f/0.95 50mm f/0.95	20 x 31 11 x 16
515	50mm f/0.95	10 x 14

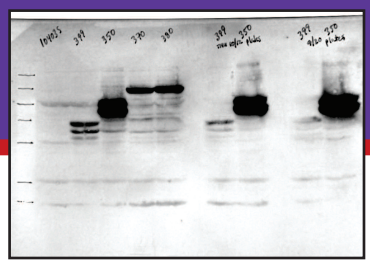
Introducing new faster, high sensitivity f/0.95 lenses for ChemiDoc-It^{TS3} systems.

ChemiDoc-It^{TS3} Applications*









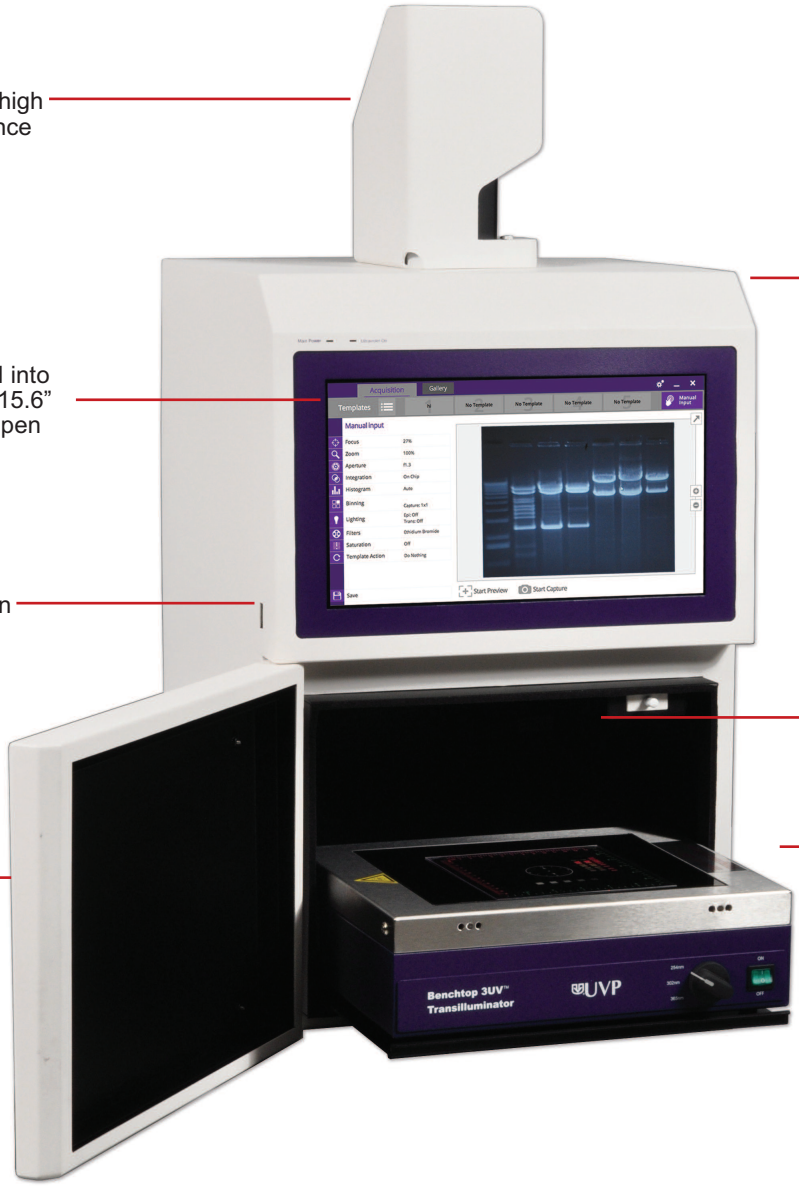
GelDoc-It^{TS3} Imaging System

Camera and lens offer high resolution for fluorescence imaging applications

Large Touch Screen Computer is integrated into the system; generous 15.6" screen size plus stylus pen

USB Drive is located on the side of the cabinet for saving images

Wide Access Door is featured on all TS3 systems



Emission Filters are placed in the easy access five-position filter tray

An ethidium bromide filter is standard; additional filters are available

Epi UV and White Lights

Transilluminator is placed on the roll-out tray

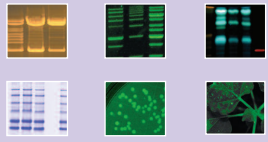
Choose from models with single UV or multiple UV wavelengths and filter sizes from 21x26cm to 25x26cm

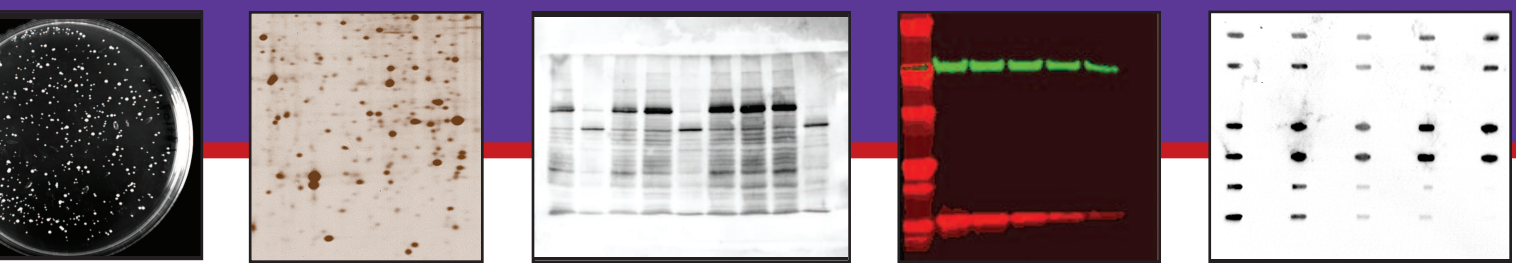
System Selection

The **GelDoc-It^{TS3}** Imaging System is configured with a GelCam 315 high resolution camera for gel fluorescence and colorimetric imaging applications.

* Applications listed may require additional accessories.

GelDoc-It^{TS3} Applications*





Streamlined Imaging Software

ChemiDoc-It^{TS3} and **GelDoc-It^{TS3} Imaging Systems** combine an integrated touch screen computer with easy-to-use software interface. Select functions with a touch of the screen!

One-Touch Templates

- Personalized templates
- Five quick-access buttons
- Unlimited number of saved templates

Templates allow users to select hardware settings as well as start preview, start capture or auto-exposure functions. Save with a personalized template name. Access from the saved templates buttons or from the templates list.

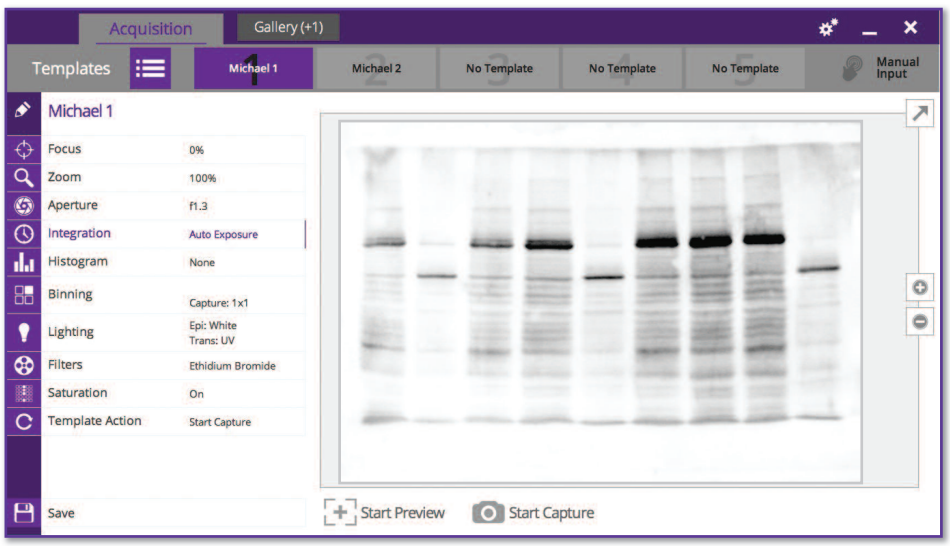
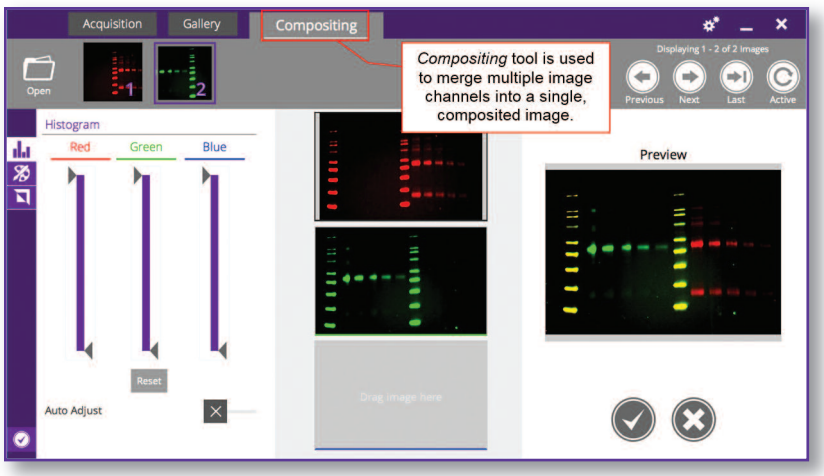


Image Acquisition, Enhancement and Analysis Features

- Capture modes: Auto exposure, sequential capture and automatic capture
- Simplified noise reduction
- Image compositing of multiple images
- Pseudocolor for gels
- Automatic image rotation and invert tools
- Save images to the USB drive or transfer images to a network computer
- Fully network compatible

Select language of choice! English is the standard language format of the software. Users can select from Portuguese, German, Chinese (simplified), Turkish, Japanese, Spanish, Korean and Russian for all screen text and buttons.

Compositing is excellent for gels and blots with multiple protein stains on one sample.



Modular Design Components | Applications

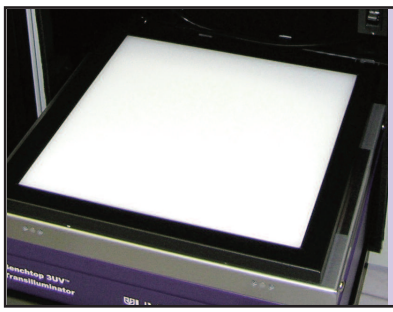
The modular design of the **ChemiDoc-It^{TS3}** and **GelDoc-It^{TS3} Imagers** enables users to select components and add optional equipment as necessary for specific imaging applications.

Choice of UV Transilluminator

Transilluminator models feature single (302nm) or 3UV™ (254/302/365nm) UV wavelengths. Filter sizes include 21x26cm and 25x26cm. Additional models are available.

UV Lamp Modules

Mount the optional **UV lamp modules** into the cabinet for epi UV illumination. The lamp modules can be removed for hand held use. Select from longwave (365nm), shortwave (254nm) or combination 254/365nm lamp modules.



LED White Light Plate and Converter Plates

The optional **LED White Light Plate** plugs into the cabinet and produces <5% coefficient of variance (CV) for viewing samples such as autoradiographs, Coomassie Blue and Silver Stains. Converter Plates are also available: **UV to White Light Plate -** converts UV to white light and **Visi-Blue™ Plate -** converts UV to 460-470nm blue light.

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

* Applications listed may require additional accessories.

Emission Filters

A slide-out, five-position **emission filter tray** is conveniently located on the side of the cabinet. An ethidium bromide filter is standard. Easily access the tray to add filters for myriad imaging applications. Contact UVP for additional filter information.

BioLite™ MultiSpectral Light Source

The optional **BioLite** supplies powerful directed epi illumination or transillumination via fiber optic cable. A wide range of filters are available to provide specific wavelengths from visible to NIR for applications including **Multiplex**. Excite one or more proteins in a single blot. Contact UVP for BioLite or filters information.

Thermal Printer

Generate archive quality, 256 gray scale prints with this compact thermal printer. Glossy and matte papers are available.

Application Codes*


DNA Gels


Chemiluminescent Blots


Protein Gels


TLC Gels


Blue Light Gels


Colony Plates


Multiplex


Plants

Ordering Information & Specifications

System Models

GelDoc-It^{TS3} 315 (GelCam 315 Camera)

ChemiDoc-It^{TS3} 815 (MegaCam 815 Camera)
ChemiDoc-It^{TS3} 615 (OptiChemi 615 Camera)
ChemiDoc-It^{TS3} 515 (BioChemi 515 Camera)

Systems include: Camera/lens, darkroom, EtBr filter, epi white light, choice of transilluminator, USB flash drive, stylus, keyboard and mouse. ChemiDoc-It^{TS3} systems include chemi tray and VisionWorksLS software license for quantitative analysis.

System configurations may vary by country. Contact UVP for system details.

Installation Qualification and Operational Qualification (IQ/OQ) documentation is available. Contact UVP for details.

System Specifications

Camera/lens:	See specifications listed below
Monitor:	15.6" touch screen
Computer:	Tablet computer integrated into system, includes 7 USB ports; Windows 8.1
Software:	TS3 image capture software
Save Options:	To system, USB stick or transfer images to network PC
Darkroom:	Light tight Access port for adding BioLite sources Chemi tray and fold-down tray (ChemiDoc-It^{TS3} only)
Epi Light:	White Light
Transillumination:	Choice of Models - Single (302nm) or 3UV (254/302/365nm) Filter sizes - 21x26 or 25x26cm
Emission Filters:	EtBr (580-630nm) Five position filter wheel Other filters available
VisionWorksLS Analysis Software:	User license included with ChemiDoc-It^{TS3} Optional for GelDoc-It^{TS3} Single or multiple user licenses available

Camera Specifications

Specifications	MegaCam 815	OptiChemi 615	BioChemi 515	GelCam 315
CCD Bit Depth	16 bit	16 bit	16 bit	12 bit
File Bit Depth (A/D)	16 bit	16 bit	16 bit	16 bit
Grayscale Range	65,536	65,536	65,536	65,536
Pixel Resolution	3296 x 2472	2184 x 1472	2336 x 1752	2592 x 1944
Megapixels	8.1, extendable to 16.2	3.2, extendable to 9.6	4.1, extendable to 12*	5.0
Cooling	-57°C from ambient	-60° C from ambient	-57°C from ambient	None
Binning Modes	1x1 thru 8x8	1x1 thru 10x10	1x1 thru 8x8	None
PC Interface Connection	USB 2.0	USB 2.0	USB 2.0	USB 3.0
Quantum Efficiency Peak & Chemi 425nm	50% & 42%	88% & 60%	50% & 42%	---
Lens Options**	42.5mm f/0.95	25mm f/0.95 or 50mm f/0.95	12.5-75mm f/1.2 or 50mm f/0.95	8-48mm f/1.2 zoom

*Recommended lenses shown. Other lens/camera configurations are available; ask about 50mm f/1.2, 30mm f/1.4 or 25mm f/0.95 lenses.

UVP
An Analytik Jena Company

Lit: TS3 Imagers 1015

WolfLabs

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.

www.wolflabs.co.uk

Tel : 01759 301142

Fax : 01759 301143

sales@wolflabs.co.uk

Please contact us if this literature doesn't answer all your questions.