



## ChemiDoc-It Imaging System

### Dedicated Chemiluminescent and Bioluminescent Image Acquisition and Analysis

- Light tight darkroom provides optimum conditions for chemiluminescent and bioluminescent applications
- High resolution, high sensitivity cooled CCD camera and lens combine for faster integration times
- Fixed lens supplies optimal signal sensitivity

Capture high-resolution chemiluminescent and bioluminescent images with the ChemiDoc-It Imaging System. The ultra-dark interior provides optimum conditions for capturing blots. The sample platform adjusts to specific heights by using the numeric counter for reproducible field of view areas from 10x10cm to 21x26cm. The non-reflective platform surface minimizes reaction light scattering. The darkroom includes white light epi-illumination and a full-access door.

This PC-based system is configured for use with UVP's LabWorks Image capture and analysis software. Real-time preview of images on the monitor allows for immediate focus and image placement adjustments. FireWire connectivity offers a simple set-up configuration and fast image transfer.

The high sensitivity, monochrome camera is designed specifically for the imaging of protein and DNA blots and ensures superior results. The camera is cooled to subzero temperatures, producing low-background noise and a wide dynamic range for high quality images in a short exposure time. The system components combine to produce maximum sensitivity in every point in your image.

The overhead white light is highly uniform and is used for image focusing as well as imaging colored protein markers and stains for quick molecular weight calibration.

#### Specifications

<b>BioChemi Camera</b>	2/3" Progressive Scan CCD (Anti-Blooming) Monochrome
Resolution	1344 x 1024
Pixel Size	6.45 m x 6.45 m
Full Well Capacity	19,500 electrons
Bit Depth	12-bit
Readout Noise	5-6 electrons (typical)
Quantum Efficiency	(72% @ peak) 400nm 53%; 500nm 69%; 600nm 64%
Cooling	-30°C from ambient of 20°C (-10°C absolute)
Binning	Yes
PC Interface	FireWire (IEEE-1394)
Lens	Manual 1" high speed lens, 17mm focal length f/0.95 - close, C-Mount
<b>Darkroom</b>	Ultra-dark, light-tight design Overhead white light Height adjustable sample platform
Dimensions	14"W x 34"H x 13"D (354 x 864 x 330mm)

**Super-dark,  
super-sensitive,  
super-small!**

Wide access door

Sample platform ~  
adjustable for reproducible  
field of view; blot sizes up  
to 21x26cm

Light tight darkroom;  
small footprint and  
durable construction

