



# chemiPRO XL 6/9

This superior chemiluminescence imaging system offers market-leading performance with ease of use for visible light (RGB), infrared (IR) fluorescence and chemiluminescence detection and all general gel documentation applications as well as some in vivo imaging applications.

chemiPRO XL provides the ideal solution for detection of proteins on Western blots. It offers the powerful features and hardware for researchers of all experience levels. Its chemiluminescence capability delivers sensitive detection of picogram or femtogram levels, while in fluorescence mode, multiple different proteins can be detected and quantified on one blot. Additionally, the cooled, high quantum efficiency camera can be set between 6 or 9 mega pixel for unrivaled levels of sensitivity with minimal background interference.



## KEY FEATURES

- High quantum efficiency (QE) CCD camera
- Multiplex imaging of up to 5 different channels with UV, RGB and IR HI-LED lighting options – Multiple filters available
- Stain-free imaging capability
- Auto-exposure
- Adjustable stage software controlled
- Excellent signal to noise ratio
- Protocol driven image capture
- Motor driven lens and filter wheel
- Maximum imaging area 34.5 x 27.6 cm
- CFR21 Part 11 compliant
- Acquisition and Analysis Software Included

### CAMERA

6- or 9- Megapixel CCD camera. Effective 18 or 27 MP

### LENS

Superior F0.8 or 0.95 motor driven zoom lens for exceptional image

### 7 POSITION MOTOR DRIVEN FILTER WHEEL

- use a range of filters for extensive choice of applications

### SAFETY

Door triggered safety switch prevents accidental exposure to UV when opening

### INTERNAL WHITE LIGHT

for sample positioning and focusing  
RGBIR Module (optional)

### ADJUSTABLE STAGE & TRANSILLUMINATOR

For UV, visible and blue light  
Motor Driven Adjustable stage for increased chemiluminescence sensitivity

## TECHNICAL SPECIFICATIONS

### CAMERA

IMAGE RESOLUTION (MEGAPIXELS)	6 OR 9
EFFECTIVE RESOLUTION (MEGAPIXELS)	18 OR 27
IMAGE SENSOR	CCD
A/D	16 BIT
GREYSCALE	65,536
DYNAMIC RANGE OD	4.8
QUANTUM EFFICIENCY (@ 425nm)	73%
COOLING	-57°C, Peltier
LENS (MOTOR DRIVEN AUTO FOCUS)	F0.8
STAGE	MOVING
FILTER WHEEL (7-POSITION MOTOR DRIVEN)	ALL FLUORESCENCE APPLICATIONS

UV FILTER YES

### DARKROOM

EXTENDED WITH MOTOR DRIVEN STAGE YES

### LIGHTING

EPI LED WHITE LIGHTS	YES
HI-LED (RED, BLUE, GREEN)	OPTIONAL
HI-LED (RED, INFRARED)	OPTIONAL
HI-LED (RED, BLUE, GREEN, INFRARED)	OPTIONAL
VISIBLE LIGHT CONVERTER	OPTIONAL
WHITE LIGHT PAD FOR VISIBLE STAINS (20 x 14cm)	OPTIONAL
BLUE CONVERTER SCREEN	OPTIONAL
SLIDE-OUT UV TRANSILLUMINATOR 254, 302, 365nm, (VARIOUS SIZES AVAILABLE)	OPTIONAL
EDGE LIGHTING UNIT	OPTIONAL

### DIMENSIONS

MAX IMAGE AREA (CM)	34.5 x 27.6
MIN IMAGE AREA (CM)	15.6 x 12.5
W x H x D (CM)	57 x 99 x 55
WEIGHT (KG)	APPROX. 45
POWER INPUT (V)	100-240
WEIGHT (KG)	APPROX. 45

## ORDERING INFORMATION

ChemiPRO-XL6-E\* chemiPRO XL 6MP camera Imaging System without UVT, 230V, 50Hz

ChemiPRO-XL9-E\* chemiPRO XL 9MP camera Imaging System without UVT, 230V, 50Hz

WesternFlowXLMINI\* Complete Mini Western Blotting Workflow kit including vertical gel tank, semi-dry blotter, power supply, reagents and chemiPRO XL 6MP chemiluminescence imaging system

WesternFlowXLMAXI\* Complete Maxi Western Blotting Workflow kit including vertical gel tank, semi-dry blotter, power supply, reagents and chemiPRO XL 6MP chemiluminescence imaging system

CS-2530M-E*	Transilluminator (25x30cm; 302nm) 230V, 50Hz	CS-FIR	800nm filter for IR light (range 809-876nm)
CS-BLC	UV to Blue light converter, Size 25x30cm suitable for DNA safe dyes	CS-FBL	525nm Filter for blue light (range 516-539nm)
CS-WLC	UV to Visible light converter, Size 30.5x33cm	CS-FGL	605nm Filter for green light (range 594-610nm)
CS-EPIUV	2 x UV module – with 302nm tubes (for TLC plates)	CS-FRL	705nm Filter for red light (range 700-720nm)

CHEMIMOD-RGBIR chemiPRO RGB & IR HI-LED Lighting Module

\* Other voltage/Hz combinations available;