



GEL DOCUMENTATION SYSTEM

Advanced, Sharp & Easy



CAMERA

LENS

FILTER

EPI-ILLUMINATION

TRANS-ILLUMINATION

CAMERA

Featuring a 24 megapixel coloured digital camera with a super-fast autofocus lens inside a dust resistant enclosure, which can be controlled from a PC or a touchscreen. Live view images and capture times of less than a few seconds provides efficient imaging. Gel image acquisition and control software has full function control panel which allows user to adjust camera and lens settings like exposure time settings, focus and aperture (iris). Histogram display on the screen shows image saturation.

DARKROOM CABINET

The epoxy coated, chemical & corrosion resistant light-tight cabinet has filter holder (1, 3 or 7 filter holder), a UV safety switch and a roll-out transilluminator. The safety switch switches off UV lights as soon as the door is open. Options for front viewing window with two side windows on the cabinet for excision of bands are also available.

TRANSILLUMINATION

Ultraviolet transillumination can be provided in 302-312nm, 365nm or 254nm individual ranges or as Dual or Triple options. Filter size of transilluminator is 20x20 cm, optionally 21x26cm can be provided too. Low & high intensity of 70% & 100% on the transilluminator provides an easy switch between preparative & final imaging. A timer is attached to the transilluminator, which auto switches off UV light in case the user forgets to turn it off. This increases the life of the UV lamps. Trans White & Trans Blue light tables are also available.

EPIILLUMINATION

Epi-white light illumination through dual LED tubes from above is standard. Ultraviolet epi-illumination in a variety of wavelengths can also be provided. For specific stains, epi-light in blue, green or red LEDs can be provided. A combination of all these illumination modes in the same system can be provided.

SPECIFICATIONS

CAMERA	MEGAPIXELS (RESOLUTION)	24 MP (6000 X 4000)
	PIXEL SIZE	4.3X4.3 MM
	FILE FORMAT	8-BIT JPG & 14-BIT RAW
	BIT DEPTH	256 & 16384
	SENSOR	CMOS
	DYNAMIC RANGE	>3.0 OD, 58 DB
	EXPOSURE TIME (SECONDS)	0.001 SECONDS TO UNLIMITED
LENS	OPTICAL ZOOM	18-55MM, 3X, MANUAL
	APERTURE	F3.5
	OPERATION	MOTORIZED FOCUS + APERTURE
	FILTER HOLDER	1, 4 OR 7 FILTER HOLDER
	FILTERS	RED/GREEN/ORANGE/BLUE/ETC
ILLUMINATION	UV TRANSILLUMINATION SIZE	20X20CM OR 21X26CM
	EPI-ILLUMINATION IMAGE SIZE	38X30CM
	UV TRANSILLUMINATOR	SLIDING PULLOUT DRAWER
	UV TRANSILLUMINATOR STANDARD	302-312NM
	UV TRANSILLUMINATOR OPTIONAL	254NM / 365NM / DUAL/TRIPLE
	OVERHEAD EPI-WHITE	YES
	OVERHEAD EPI-UV	OPTIONAL
	RED/GREEN/BLUE EPI-LEDS,	OPTIONAL
	WHITE/BLUE TRANS LIGHT TABLE	OPTIONAL
CABINET	TOUCH SCREEN	OPTIONAL
	DARKROOM CABINET	YES
	UV SAFETY INTERLOCK SWITCH	YES
	TIMER FOR UV LIGHT	YES
	FRONT WINDOW	OPTIONAL
	SIDE WINDOWS	OPTIONAL
SOFTWARE	GEL ACQUISITION SOFTWARE	YES
	ID GEL ANALYSIS	OPTIONAL (Lane Detection, Molecular Size, Analysis Report, Band Detection, 3D View, Histogram)
	COLONY, DOT BLOT & ARRAY ANALYSIS	OPTIONAL
	2D GEL ANALYSIS SOFTWARE	OPTIONAL
	IMAGE DATABASE SOFTWARE	OPTIONAL
	COMPUTER	OPTIONAL
	CONNECTIVITY	OPTIONAL



THE PRECISION SCIENTIFIC CO (CBE)

www.pscbe.com | info@pscbe.com

Mobile : 97860-22732, 98430-22732

Landline : 0422-2235970 , 2234250 , 2237280 , 2236280 , 4506280

503, Veera Boyar Colony, Dr.Nanjappa Road, Coimbatore – 641 018