

DigiGEL - PRIME

Digital Gel Documentation Systems

One of the easiest to use systems for gel documentation and photography applications, the universal platform DigiGEL-PRIME stands alone to provide the lowest cost yet high quality digital scientific analysis and visualization system for labs in India.



Featuring a 10 megapixel digital camera, the camera connects to a PC through a USB and can be controlled from the PC. Ultraviolet transillumination can be provided in 254nm, 312nm or 365nm ranges. Filter size of transilluminator is 20x20 cm. Maximum gel size that can be captured is 16x20 cm. The transilluminator can be used separately too, in case the user just wants to observe the gel.

Features

- 10 megapixels
- 8 bit grayscale
- 24 bit RGB
- Excellent image quality
- 3x manual optical zoom
- 28mm wide lens
- 312nm / 254nm / 365nm UV
- Use transilluminator separately

Advantages

- Easy to use
- Low cost, yet high quality images
- Use the camera separately
- Camera mounted conveniently
- Easy access to transilluminator
- Small foot print requires less space

Model	DigiGEL-PRIME-312	DigiGEL-PRIME-365	DigiGEL-PRIME-254
Camera	10 megapixel	10 megapixel	10 megapixel
Lens	3x manual zoom	3x manual zoom	3x manual zoom
Bit Depth	8-bit	8-bit	8-bit
Transillumination	312nm UV	365nm UV	254nm UV
Optional	Gel Analysis Software	Gel Analysis Software	Gel Analysis Software

DigiGEL - Advanced

Digital Gel Documentation Systems



Featuring a 10 megapixel digital camera, the camera connects to a PC through a USB and can be controlled from the PC. Ultraviolet transillumination can be provided in 254nm, 312nm or 365nm ranges. Filter size of transilluminator is 20x20 cm. Epi-white light through high brightness LED illumination from above is standard. Optionally, ultraviolet epi-illumination in a variety of wavelengths can also be provided. The dark room cabinet has features for safety switch that switches off the UV lights as soon as the door is open.

Features

- 10 megapixels
- 16 bit
- Excellent image quality
- 3x manual optical zoom
- 58mm wide lens
- 312nm / 254nm / 365nm UV
- White light LED epi-illumination
- Safety switch

Advantages

- Easy to use
- Feature rich yet affordable
- Camera mounted inside chamber
- Easy access to transilluminator
- Small foot print requires less space

DigiGEL-ADVANCED can capture images of:

- Protein and DNA gels,
- Petri plates and Agar plates,
- Tissue Culture Flasks,
- Membranes,
- TLC plates,
- Microplates...

Model	DigiGEL-ADV-312	DigiGEL-ADV-365	DigiGEL-ADV-254
Camera	10 megapixel	10 megapixel	10 megapixel
Lens	3x manual zoom	3x manual zoom	3x manual zoom
Bit Depth	16 bit TIFF	16 bit TIFF	16 bit TIFF
Transillumination	312nm UV	365nm UV	254nm UV
Epi-illumination	White light	White light	White light
Safety	UV off on door opening	UV off on door opening	UV off on door opening
Optional	UV & LED epi-illumination	UV & LED epi-illumination	UV & LED epi-illumination
Optional	Gel Analysis Software	Gel Analysis Software	Gel Analysis Software



*Simple to use, high performance
yet affordable
12-bit gel documentation system*

Features

- 1.4 megapixel (1360 x 1024) resolution
- Scientific-grade Fire-wire CCD camera
- 12 bit depth of images (4096 grey levels)
- Pixel size 4.6 um x 4.6 um
- Dynamic range from -12 dB to 24 dB (3 times)
- Exposure Control from .01 to 100 sec
- Quickly capture sharp black and white images
- View live gel images directly on the computer
- Directly control the camera from the computer

12-bit

Firewire

CCD

312nm

1.4 MP

Zoom lens

- Manual or motorized zoom lens
- Motorized zoom lens controllable from PC
- Easy-to-use gel documentation setup
- Standard model with 312nm transillumination
- Options for white light, 360nm or 256nm
- Choice of window size 20x20cm and 21x26cm
- Choice of gel analysis software
- White light epi-illumination
- Safety switch

Model	ProGEL-312	ProGEL-312-XL	ProGEL-312-MZ	ProGEL-312-XL-MZ
Camera	CCD, 1.4 megapixel	CCD, 1.4 megapixel	CCD, 1.4 megapixel	CCD, 1.4 megapixel
Pixels	1360 x 1024	1360 x 1024	1360 x 1024	1360 x 1024
Lens	Manual, 8-48x zoom	Manual, 8-48x zoom	Motorized zoom	Motorized zoom
Bit Depth	12-bit	12-bit	12-bit	12-bit
Trans-illumination	312nm UV	312nm UV	312nm UV	312nm UV
Epi-illumination	White light	White light	White light	White light
Safety	UV off on door opening	UV off on door opening	UV off on door opening	UV off on door opening
Optional	UV & LED epi-illumination	UV & LED epi-illumination	UV & LED epi-illumination	UV & LED epi-illumination
Optional	Gel Analysis Software	Gel Analysis Software	Gel Analysis Software	Gel Analysis Software
Optional	254 / 365nm trans-illumination	254 / 365nm trans-illumination	254 / 365nm trans-illumination	254 / 365nm trans-illumination

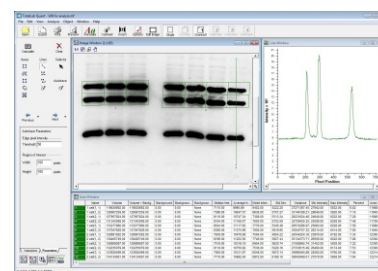
TotalLab, UK

Gel Analysis Software

Software Features

Version

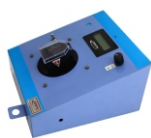
Software Features	TotalLab Quant
• Compatible with 21CFR part 11 compliance module	Y
• Automatic detection of lanes and bands	Y
• Automatic background subtraction	Y
• Image manipulation tools	Y
• Lane templates	Y
• Molecular weight calibration	Y
• Quantity calibration & normalisation	Y
• Profile deconvolution	Y



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