

**GEL DOCUMENTATION SYSTEM – 1No.
Doc. No: ST/12/Gel Doc/2016-17/20**

PROPOSED APPLICATION : For Nucleic acid and protein Gel imaging & analysis

FEATURES:

- High-resolution imaging with 4 megapixels sensor
- Real time imaging for quick positioning and focusing of samples
- Imaging of wide array of samples and large sample work area
- Image analysis software with quantitative analysis capabilities and automatic band and lane detection

SPECIFICATIONS:

Camera	:	Cooled CCD
CCD Resolution	:	1392 X 1040 pixels
Data acquisition	:	12 bit
Illumination modes	:	Trans-UV, Epi-UV (254 nm, 306 nm & 370nm), Epi Illumination white and Trans-illumination white
Trans-illumination area	:	Approx. 30 X 25 cms
Emission Filters	:	for detection of Alexa 488, 568, 633, 680 dyes (440 nm, 535 nm, 570 nm, 590 nm & 670 nm).
Detection Modes	:	Absorbance, Fluorescence, Luminescence & Colorimetric
Software compatibility	:	Windows XP/Windows 7
Computer interface	:	IEEE 1394 (FIREWIRE)
Output data format	:	TIFF, JPEG
Computer	:	Latest Computer with 17" Monitor, 4GB RAM, 320 GB HDD, Printer
Operating Voltage	:	230 Volts, 50 Hz.

ANALYSIS SOFTWARE: Gel Imaging, Phosphor Images Fluorescent Images, High quality resolutions, annotation tools, molecular weight determination, colony counting, volume analysis, automatic band/line detection, 3D view per closely spaced bands, TIFF and PPEG file import and export and PC compatibility.