

# Gel Documentation System



## Typical Application

It is suitable for life science research institutions, the biomedical sector, and other medical related fields.

## Product Advantages

- High resolution with up to 20 megapixels
- User friendly interface
- Unlimited software users
- Numerical adjustment of aperture and focus

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## Innovative and Ergonomic Design



- Drawable UV transilluminator with UV protection shield to provide comfortable and spacious gel observation and gel cutting experience
- Analysis software is free for download and supports both windows and mac OS
- Wireless and IoT module is an optional accessory
- Numerical adjustment of aperture and focus
- Unlimited software users (no software dongle is required)

## Parameters



Model	SH-510	SH-520	
<b>Scientific CCD Camera</b>	Resolution	5 Megapixel, 2592*1944	20 Megapixel, 4800*4440
	Pixel density	16bit (65536 Grey scales)	16bit (65536 Grey scales)
	Readout noise	5.1e- RMS	3.1e- RMS
	QE	>75%	>85%
	Signal to noise ratio	70.1db	75.2db
	Detection sensitivity	less than 10pg Double-stranded DNA (stained with EB)	less than 5pg Double-stranded DNA (stained with EB)
<b>Lens</b>	Specification	F1.2 motorized lens	F1.2 motorized lens
	Control	Automatic focus to avoid human operation errors	Automatic focus to avoid human operation errors
<b>Light Source</b>	White LED*2	Yes	Yes
<b>Sample Tray</b>	UV	Orbital UV transilluminator brings uniform light intensity. Wavelength 302nm(254nm or 365nm is optional), Dimension: 21cm*26cm	Orbital UV transilluminator brings uniform light intensity. Wavelength 302nm (254nm or 365nm is optional), Dimension: 21cm*27cm
	Trans-white	Plug-in LED white light plate with tempered glass surface. Dimension: 21cm*26cm	Plug-in LED white light plate with tempered glass surface. Dimension: 21cm*26cm
<b>UV Protection</b>	UV protection shield	Special observation glue cutting protective plate	Special observation glue cutting protective plate
	System protection	Non-light leakage, automatic door protection system to prevent ultraviolet harm to users. Timeset to turn off the UV light source automatically.	Non-light leakage, automatic door protection system to prevent ultraviolet harm to users. Timeset to turn off the UV light source automatically.
<b>Software</b>	Image capture	Yes	Yes
	Image analysis	Yes	Yes
<b>Certification</b>	CE	Yes	Yes