

JY04S-3E Gel Documentation Imaging System



Technical specifications

Effective pixels: 2560×1920

Pixel density: 10 bit

Pixel size: 5.4×5.4 (μm)

Resolution: 5.0 megapixels

Signal to noise ratio: ≥56db

Sensitivity: Can detect the double chain DNA of EB staining below 20pg.

Camera: low illumination and high resolution digital CCD

Zoom lens: F=1:1.2 , 2/3 inch 6 times zoom lens

Filter: 590 (nm)

UV light transmission area(W×L): 250×200 (mm)

Visible light transmittance area(W×L): 250×210 (mm)

Transmission UV wavelength: 302 (nm)

Reflectance UV wavelength: 254 、 365(nm)

Transmission UV lamp power:

Reflectance UV lamp power: 254nm (11W) 、 365nm (11W)

Volume (L×W×H) : 470×405×820 (mm)

Weight: 29.0kg

Characteristic feature

- CCD with lower lux and high-resolution, easy to get dim stripes and real-time browse, whole-screen display and simple to operate:
- Six time zoom lens and simple to enlarge and shrink gel photos.
- The center position indicator, which can ensure the gel is placed in the center position.
- Intelligent control box:
 - You can realize the control of the zoom, focus, aperture, UV light and white light through panel key.
 - Safety function for your eyes that automatically shuts down the UV light when the door is opened and reactivates the UV light when the door is shut.
 - Timed shut down: The UV light protection system automatically shuts down the lights after 15 minutes to maximize the life of lamp and vitreous.
 - The zoom lens is protected with RS232 interface.
 - Drawer-style gel platform, convenient to observe, operate, and cutting gel.
 - Transferring plate changes UV-light into white-light.
 - Using a multi-layer gel-filter effectively filters background noise.
 - You can realize the control of the zoom, focus, aperture, UV light and white light through computer mouse.
- Regular and reliable system convenient to maintain and exchange parts.