

# JY04S-3C Gel Documentation Imaging System



## Technical specifications

Effective pixels: 1280×1024

Pixel density: 10 bit

Pixel size: 5.4×5.4 ( μm )

Resolution: 1.4 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:302nm(8W)

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.