



**Drug Discovery & Pre Clinical many disease
reserch with exact quantify and qualify**

Ultra Photon *Invivo* Imaging System



Cat No. **UINV-420**

**Quantity & Qualifying Analysis System
Invivo, Fluorescence, Chemilucence(western)**

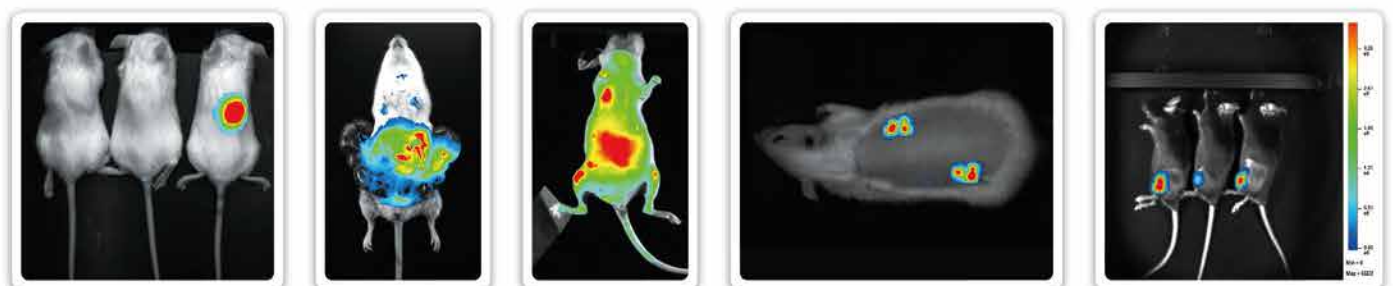
Exact quantify measure and compare quantifying

Multi ROI & Auto ROI analysis

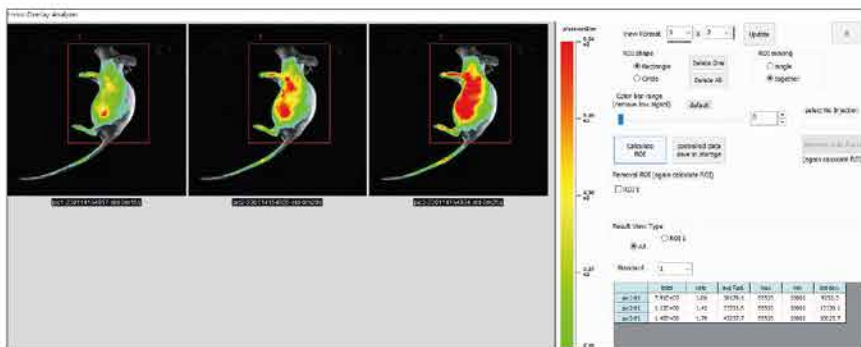
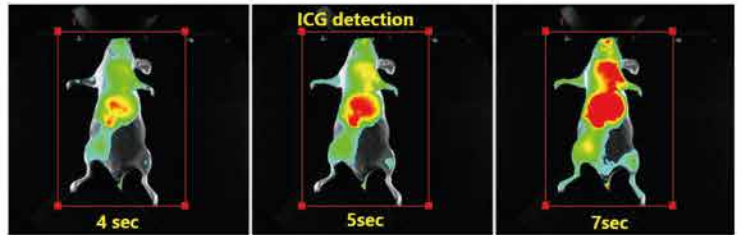
High sensitivity -100°C Back Illuminated CCD

Mouse live view showing

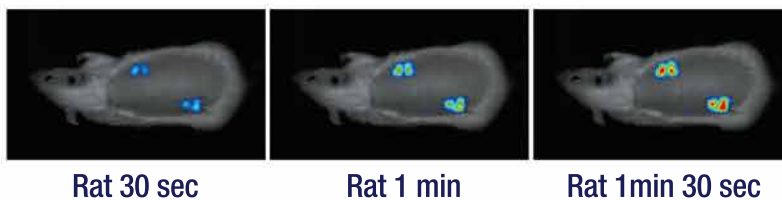
- Very weak signal detect by super Back Illuminated CCD Sensor(-100°C or -120°C cooling)
- Big wide lens make no lens distortion
- Capturing mouse 1-10 and Rat 1-4
- Multi ROI & Auto ROI analysis
- Auto Elivating Tray and Heating Bed Tray
- Dark prevent perfectly double structure cabinet
- Absolute Photon Counting & Measurement



- Exact signal photon quantify by ultra sensitivity(Photon/sec/cm2/sr)
- Wide wavelength visible to NIR from 400-1100nm
- Big pixel size:13um/pixel
- Full well capacity:250,000
- Easy auto invivo overlay fuction
- Anesthesia inlet outlet connect code
- Exact absolute quantify comparison and analysis
- Auto cabinet off system after 10 min programe close
- Perfect darkroom with double cabinet structure
- Automatic control elevating 8 step tray which already focused
- Exact photon counting and exact each mouse ROI mesurement
- Upto 16 images simultaneously compare ROI and analysis (photon counting, average, Max, Min, Std.)

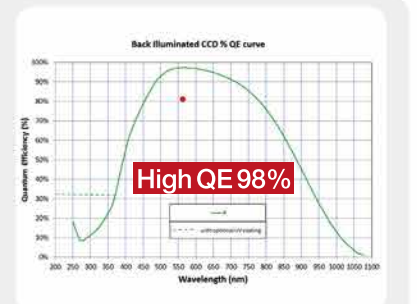


■ Stacking Mode(Luciferin)

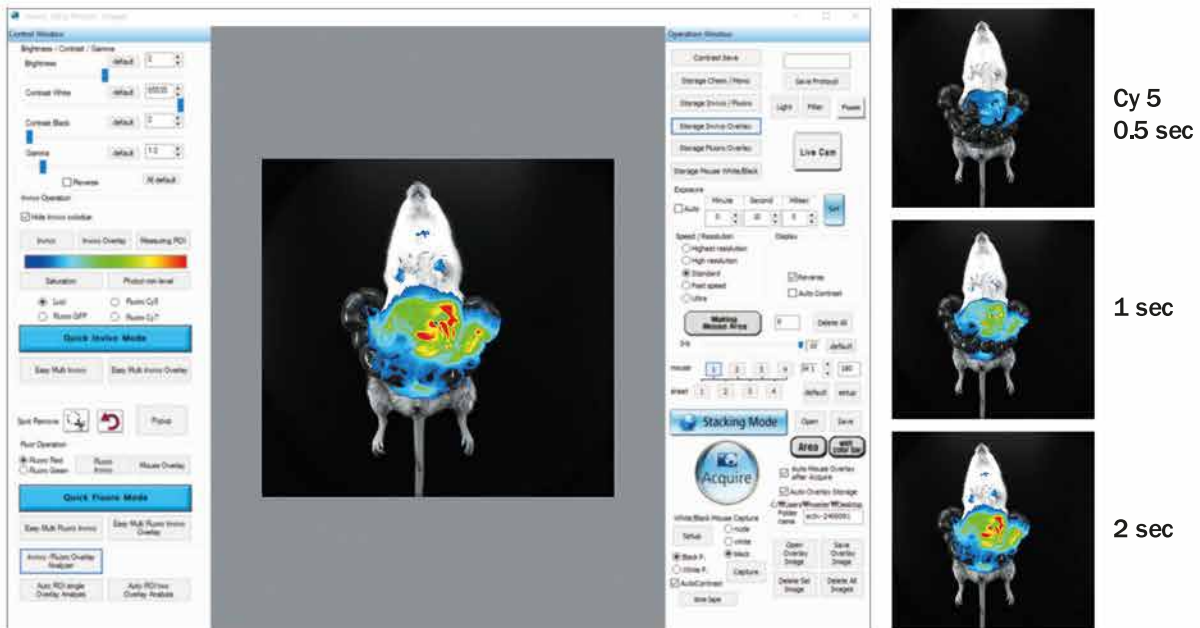


Ultra Sensitivity Invivo, Invitro
Bioluminescence, Fluorescence photon measure

- ▶ Ultra sensitivity –100 cooling
- ▶ Patent perfect light protection structure
- ▶ Auto iris control by software
- ▶ Easy & safe cooling camera by open room temp



High Quantum Efficiency



[Easy operation multi functional software]

■ 8 Excitation and 8 emission fluorescence wavelength measuring system (8 Light Source & 8ea/50mm Diameter Emission Filter)

■ Specifications

Cat No.	UINV-420
High resolution	4.2 Mega image
Powerfull cooling	-100°C or -120°C (from Room temp)
Pixel size	Ultra sensitivity 13um pixel
Lens	Ultra sensitivity and no distortion wide sensitivity lens
Iris	Automatic iris control by program selection
Focusing	Already focused lens for tray step
Easy capture	Get image once click button “auto invivo overlay” button
High QE	98% Quantum efficiency
Big full well capacity	250,000
Fluoro and Chemiluscence	8 types (Fluorescence and Chemiluscnce, Bioluminescence)
Anesthesia gas	Inlet / outlet
Heating	Mouse heating bed
Anesthesia gas	Inlet / outlet
Auto Filter wheel	50mm 8 hole emissions(GFP, RFP, cy5, Cy5.5, Cy7 and so on)
Auto 8 light source	8 excitation(visible to NIR) 488, 540, 590, 645, 675, 740, 780nm
Auto 8 Emission Filters	Emissions(520nm, 575, 600, 640, 675, 715, 780, 830nm) GFP, RFP, Cy3, Cy5, Cy5.5, Cy7, ICG
Multi ROI Analysis Software	Auto ROI Analysis and Multi ROI photon analysis
System off	Auto turn off system for safety after 10 min