

SPECIFICATIONS

— PERFORMANCE

Bioluminescence detection: picogram level
Fluorescence detection

— ILLUMINATION

Dual white-light LED panels
8 excitation channels:
440nm - 480nm - 540nm - 580nm
640nm - 680nm - 740nm - 780nm
11-position motorized filter wheel
8 narrow bandpass emission filters:
500nm - 550nm - 600nm - 650nm
700nm - 750nm - 800nm - 850nm

— SOFTWARE

Automatic, manual & serial acquisition modes
3D live dynamic scan
Image editing and image analysis including
bioluminescence and fluorescence on whole
plants to seedlings.

— CAMERA & OPTICS

Scientific grade 16-bit CCD camera
Grade 0, 400-900nm / 4.8 O.D.
-90°C Cooling
f/0.70 motorized lens aperture
Resolution: 2160x2160 pixels
Peak quantum efficiency: 80%
FOV minimum: 6x6cm (macro imaging)
FOV maximum: 20x20cm

— HARDWARE CAPABILITIES

Intelligent darkroom concept
Fully-automatic system
• Motorized optical lens
• Z-axis motorized camera
• $\pm 15^\circ$ tilting sample stage

— COMPATIBLE DYES & STAINS

CFP, GFP, YFP, RFP, FITC, DAPI, Alexa Fluor®
680, 700, 750, Cy® 2, 3, 5, 5.5, DyeLight,
IRDye® 680, 800CW

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CONTACT US FOR A DEMO

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