



FUSION FX

*New Edge Generation
The Unrivalled Sensitivity*

Camera & Optics

FUSION FX7 with the DarQ-7 camera – sensitivity oriented camera ideal for extremely low light sample

DarQ-7 camera:

- Unrivalled custom made lens f/0.84
- Scientific grade CCD camera
- Grade 0, zero defect
- Image resolution: 10 megapixels
- Native resolution: 2048×2048
- -67° C maximum cooling differential from ambient
-42°C absolute and regulated cooling via four stages Peltier thermoelectric cooler.
- High Sensitivity reading (HSR) technology
- USB connection

FUSION FX6 with the eVo-6 camera – resolution oriented camera ideal for publication

eVo-6 camera:

- Unrivalled custom made lens f/0.70
- Scientific grade CCD camera
- Grade 0, zero defect
- Image resolution: 20 megapixels
- Native resolution: 2838×2224
- -55° C maximum cooling differential from ambient
-30°C absolute and regulated cooling via three stages Peltier thermoelectric cooler
- High Sensitivity reading (HSR) technology
- USB connection

Ease Of Use

One-Click-to-the-Image™
Auto-exposure, Auto-focus
Auto-lighting

Hardware

Smart Darkroom technology:

- Motorised optical lens
- Motorised 7 positions filter wheel
- Software control of the lighting
- Automatic recognition of the sample position
- Automatic visible lighting adjustment

Steel and stainless steel darkroom for long lasting robustness. Wide access door with UV safety shut-off
Built-in slide-out tray for interchangeable Pad.
Built-in Spectra Capsules Adapter

Software

Free software for image acquisition with full GLP compliance. Molecular weight calculation, band quantification, colony counting, distance calculation, text annotation and image enhancement included.

CFR21 Part 11 ready

Applications

Chemiluminescence Western, Northern or Southern blot

Optional applications:

DNA and RNA gels and fluorescence stain imaging with UV-Pad or Blue-Pad
Colorimetric stained protein gels, X-Ray film, autorads, SSCP gels, colony dish and flask imaging with White-Light-Pad or UV-Pad + conversion screen
Fluorescence Western blot with Spectra Capsules

Technologies & Innovation

Apps Studio
3D Dynamics Scan
SuperResolution
High Sensitivity Reading (HSR) technology
PadBox™
ImageMaster™ assistant
Clarity™

Options

Optional Spectra Capsules innovative concept for a customized choice of up to 7 powerful filtered optic light capsules:

**365nm UV - 440nm - 480nm - 530nm
640nm - 680nm - 740nm - 780nm**

Covering a wide variety of application in the UV, Visible and the IR range.

- UV-Pad, Super-Bright-Pad, Sky-Light-Pad
Blue-Pad, White-Light-Pad
- White light or blue light conversion screen
- Advanced Bio-1D quantification software
- CFR21 Part 11 Administration Software