



FUSION FX SPECTRA

*New Edge Generation
Up To 7 Fluorescence Channels At Once*

Camera & Optics

FUSION FX7 Spectra with the DarQ-9 camera – sensitivity oriented camera ideal for extremely low light sample

DarQ-9 camera:

- Unrivalled custom made lens f/0.70
- Scientific grade CCD camera
- Grade 0, zero defect
- Image resolution: 10 megapixels
- Native resolution: 2160x2160
- -90° C maximum cooling differential from ambient
-65°C absolute and regulated cooling via a double cooling system & four stages Peltier thermoelectric cooler.
- High Sensitivity reading (HSR) technology
- USB-3 connection

FUSION FX6 Spectra 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: 2838x2224
- -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-3 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 and capsules included

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 and fluorescence Western, Northern or Southern blot. Choose Your FUSION FX Spectra model according to your applications:

UV: **365nm**

IR/NIR: **780nm - 640nm**

RGB: **640nm - 530nm - 480nm**

7 Channels: **440nm - 480nm - 530nm - 640nm - 680nm - 740nm - 780nm**

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

Technologies & Innovation

Apps Studio
3D Dynamics Scan
SuperResolution
Spectra Capsules
PadBox™
ImageMaster™ assistant
Clarity™

Options

Customize your FUSION FX Spectra with up to 7 Spectra Capsules from **UV 365nm - 440nm - 480nm - 530nm 640nm - 680nm - 740nm up to 780nm**

- 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