



# 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