

VILBER
MORE THAN IMAGES

FUSION ABSOLUTE FX7

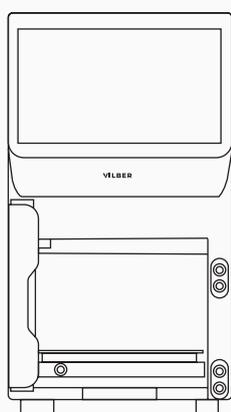
—— Technical specifications ——



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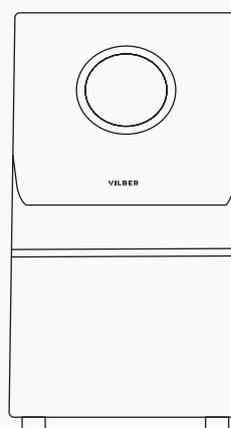
FUSION ABSOLUTE FX7

The Fusion Absolute FX7 imaging system is tailored to meet highest-sensitivity imaging needs for molecular biology and proteomics research. Equipped with either an integrated computer (15.6-inch touchscreen with 128GB storage, 1 USB 2.0) or PC-based, it offers versatility for advanced applications



Standalone design

Weight : 59 kg
Dimensions : 682 (height) x 528 (depth) x 382 (width) mm



PC-Based design

Weight : 50 kg
Dimensions : 678 (height) x 507 (depth) x 382 (width) mm

Imaging modalities

- ◆ Chemiluminescence: Western, Northern, and Southern blotting
- ◆ Bioluminescence: Ideal for Luciferase applications
- ◆ Fluorescence: Supports multi-channel imaging with a choice of 9 Absolute Spectra Capsules
- ◆ Colorimetric Imaging: Compatible with colorimetric-stained gels, X-ray film, SSCP gels, colony dishes, and flasks

DarQ-9 camera specifications

- ◆ Custom scientific-grade CCD camera, zero-defect (Grade 0)
- ◆ Resolution: Up to 10 megapixels, and native resolution of 2160 x 2160 pixels - Giant pixel size for unrivalled sensitivity
- ◆ Lens: Custom lens with an aperture of f/0.70 for enhanced sensitivity
- ◆ Cooling: Camera cooling differential of -90°C from ambient and -65°C absolute regulated cooling via four stages Peltier
- ◆ Binning Modes: Available in 1x1, 2x2, 4x4, and 8x8 for sensitivity adjustments
- ◆ Field of View: Large field of view (up to 20 x 20 cm) for imaging multiple samples
- ◆ Dynamic Range: 4.8 O.D. for high dynamic contrast

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Fluorescence Imaging features

- ◆ 9-position filter wheel, with a choice of up to 9 Absolute Spectra Capsules (excitation sources) from 365nm to 780nm
- ◆ Narrow-bandpass emission filters

Optional accessories

- ◆ Spectra Capsules: 9 LED capsules available (365nm to 780nm)
- ◆ Interchangeable Pads: Black Pad, White Pad , Super Bright UV Pad, Blue Light LED Pad, Green Light LED Pad
- ◆ Advanced Bio-1D Software for quantification

Installation and warranty

- ◆ Installation and training available
- ◆ Warranty: Standard 2-year warranty, option to extend
- ◆ Delivery: Estimated 8 weeks (expedited on request)

Smart darkroom architecture

- ◆ Motorized lens and filter wheel for precise adjustments
- ◆ Ethernet and Wi-Fi capabilities, with 3 USB 3.0, 1 USB 2.0, and 1 HDMI
- ◆ Automatic accessory recognition
- ◆ Stainless steel darkroom with wide-access door, UV safety, and sliding tray

Computer and software

- ◆ Integrated Computer Option: 15.6-inch touchscreen (resolution 1920x1080) with Windows 10, 128GB storage and 1 USB 2.0
- ◆ PC Requirements: Intel Core i5 or higher, 8GB RAM, 200GB storage, 4 USB ports (2 USB 3.0)
- ◆ Software: License-free software for acquisition, editing, analysis
- ◆ Data Export: 1-click to Excel, 16-bit TIFF format for image storage

Website: www.vilber.com