

VILBER
MORE THAN IMAGES

FUSION ABSOLUTE FX6

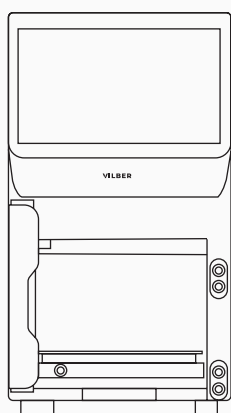
—— Technical specifications ——



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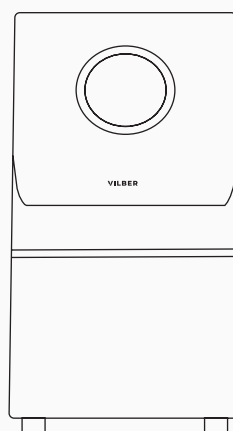
FUSION ABSOLUTE FX6

The Fusion Absolute FX6 imaging system is designed for high-performance imaging in Western blotting, DNA/RNA gel documentation, and fluorescence applications. It can be equipped with either an integrated computer (15.6-inch touchscreen with 128GB storage, 1 USB 2.0) or be PC-based. It offers versatility for advanced applications.



Standalone design

Weight : 59 kg
Dimensions : 682 (height) x 507 (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 up to 9 Absolute Spectra Capsules
- ◆ Colorimetric Imaging: Compatible with colorimetric-stained gels, X-ray film, SSCP gels, colony dishes, and flasks

eVo-6 camera specifications

- ◆ Custom scientific-grade CCD camera with zero-defect (Grade 0) quality
- ◆ Resolution: 20 megapixels, with a native resolution of 2823 x 2224 pixels
- ◆ Lens: Custom-designed lens with an aperture of f/0.70 for enhanced sensitivity
- ◆ Cooling: Up to -55°C absolute cooling via three stages Peltier
- ◆ Binning Modes: Adjustable binning options (1x1, 2x2, 4x4, 8x8) for sensitivity control
- ◆ Field of View: Large field of view (up to 24 x 20 cm) for imaging multiple samples at once
- ◆ Dynamic Range: 4.8 O.D. for high dynamic contrast

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Fluorescence Imaging features

- ◆ 9-position motorized filter wheel
- ◆ Choice of 9 Absolute Spectra Capsules (excitation light sources) from 365nm to 780nm

Optional accessories

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

Installation and warranty

- ◆ Installation and training available
- ◆ Warranty: Standard 2-year warranty
- ◆ 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, all-in-one for acquisition, editing, analysis
- ◆ Data Export: 1-click to Excel, 16-bit TIFF format for image storage