FUJIFILM

FDR-flex

A Smart DR Solution for Equine and Mixed Practices

Just 3 Components

Portable

Wireless

ISS Technology

Fujifilm's FDR-*flex* is a smart and practical DR solution uniquely suited for equine and mixed practices because it is lightweight, highly portable, fully wireless and uses any FDR D-EVO flat panel detector. FDR-*flex* has a design that offers the ability to instantly upgrade any analog portable, x-ray room or remote location with exceptional image quality as it does not need any integration or wires to the x-ray unit.
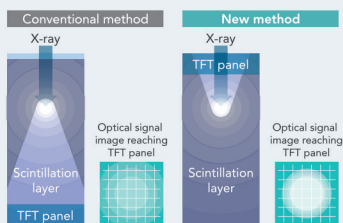
The 16-lb. three-piece system consists of a wireless FDR D-EVO flat panel detector (three sizes available), FDX Console workstation laptop, and supporting communications box.

High Quality Images

Fujifilm's sophisticated imaging technologies and advanced processing bring the image quality of FDR-*flex* to the next level. Every bit of our renowned clinical and engineering experience went into optimizing the image quality of FDR-*flex*. The FDR D-EVO detector features 150 micron pixel pitch, a wide 16-bit dynamic range and image preview in as few as 5 seconds.
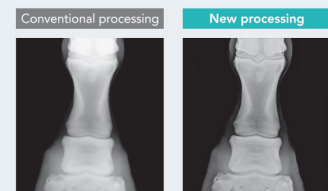
ISS technology

Fujifilm's patented Irradiated Side Sampling technology focuses its capture electronics at the top of the detector, opposite conventional designs. This revolutionary method outperforms traditional designs, improving signal strength and dose efficiency, resulting in images rich in diagnostic content.

Conventional method
X-ray
Scintillation layer
TFT panel
Optical signal image reaching TFT panel

New method
X-ray
TFT panel
Scintillation layer
Optical signal image reaching TFT panel

Dynamic Visualization

Every exam benefits from Fujifilm's latest Dynamic Visualization image processing software which enhances image quality, extending visibility and contrast throughout the entire image. First-up images have outstanding detail and high window and leveling capability, producing ultra-sharp images for PACS diagnosis.

Conventional processing

New processing

FDR-*flex* Specifications
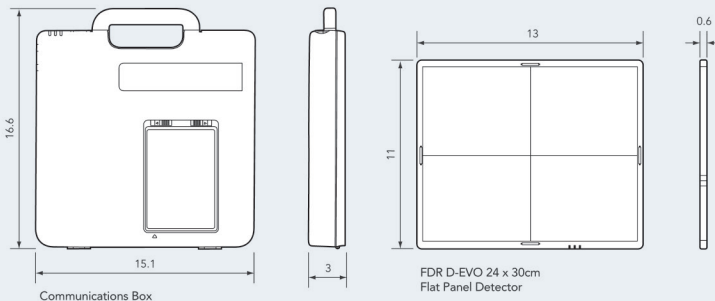

Standard components	Digital radiography:
	(1) Communications Box:
	(2) Flat panel detector - FDR D-EVO wireless models
	    FDR D-EVO 24x30cm CsI
	    FDR D-EVO 14"x17" GOS or CsI
	    FDR D-EVO 17"x17" GOS or CsI
	(3) Workstation: FDX Console (Mobile) V6.1 or later.
	    Refer to related FDR D-EVO detectors and FDX Console
	    brochures for additional details and specifications.

Reading grayscale level	16 bits/pixel
Pixel pitch	150 µm
Image processing	Dynamic Visualization Processing Spatial Frequency Processing Gradation Processing Dynamic Range Control (DRC) Processing Multi-Objective Frequency Processing (MFP) Flexible Noise Control (FNC) *Refer to FDX Console brochures for additional details and specifications.*
Connection	Console / Communications Box Connection: IEEE 802.11n (5.2GHz band) or IEEE 802.3 (100BASE-TX) SE (DR detector) / Communications Box Connection: IEEE 802.11n (5.2GHz band) Console / Network Connection: IEEE 802.11g (2.4GHz band) or Wired Ethernet (Depending on in-site network environment)
Image preview	Approx. 5 sec

Cycle time	Approx. 15 sec	
	Times vary based on detector model, exposure technique and image type.	
External size **(W × D × H)**	Communications Box: Flat panel detector: FDR D-EVO 24 × 30cm FDR D-EVO 14" × 17" FDR D-EVO 17" × 17" Laptop PC:	(Approx. 15.1" × 16.6" × 2.4") (Approx. 13" × 11" × 0.6") (Approx. 18" × 15" × 0.6") (Approx. 18" × 18" × 0.6") 11.42 × 8.35 × 1.27"
Weight	Communications Box: Flat panel sensor: FDR D-EVO 24x30cm FDR D-EVO 14"x17" FDR D-EVO 17"x17" Laptop PC:	8 lbs. (including battery) 4 lbs. (including battery) 7 lbs. (including battery) 9 lbs. (including battery) 4 lbs. (Model: HP Elitebook 2760P Tablet PC)
Power supply conditions	Communications Box: Battery Charger: Laptop PC:	Battery: Same as FDR D-EVO detectors, ~3-6 hours per charge Single phase 50 - 60Hz AC100-240V 1.25 - 0.5A Table top 3-slot for FDR D-EVO and Communications Box battery charging Single phase 50 - 60Hz AC100-240V 1.5A Single phase 50-60Hz, AC100-240V Laptop battery: 3-6 hours per charge

*Energy Star qualified. EPEAT Gold 65 watt Smart AC Adapter fast charac. 6-cell battery (44 w/hr).

Dimensions
Unit: inches

15.1 · 16.6
Communications Box

13 · 11 · 3 · 0.6
FDR D-EVO 24 x 30cm
Flat Panel Detector

Standard configuration

| Communications Box | FDX Console | Battery charger | Battery |

Optional parts

| FDR D-EVO 24 x 30cm CsI | FDR D-EVO 14"x17"
Available in GOS or CsI | FDR D-EVO 17"x17"
Available in GOS or CsI |

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