

XR CR, VAMC FAYETTEVILLE, AR  
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#### DEVO II SINGLE 14X17 GOS WITH FDX

Fujifilm's single 14 x 17" Gadolinium Oxysulfide (GOS) D-EVO II flat panel detector is a highly functional design capable of withstanding the rigors of 24-7-365-day use in all clinical theaters and for all types of general diagnostic x-ray exams. Its unique beveled edge profile makes detector positioning behind a patient and overall handling easier. A magnesium alloy shell-type front panel detector weight and a structural ribbed frame design provides high distributed weight and point weight capacity while also providing an IPX6 waterproof rating to prevent liquid infiltration. Change batteries with one hand. An innovative, moisture-activated silver-ion antibacterial coating minimizes bacteria colonization on the detector surface and its flat overall design with few contours makes it easier to clean. Image storage capability and Smart Switch functionality provides maximum clinical use flexibility. LEDs provide detector status at a glance.

D-EVO II detectors incorporate Fujifilm's patented ISS (Irradiated Side Sampling) technology and offer high Modulation Transfer Function (MTF) and dose efficiency (DQE) potential for dose reduction. GOS detectors capture images at higher resolution utilizing lower doses than CR detectors. The detector can be used as a fixed detector in any Bucky or it can be used for non-Bucky exams. The FDX Console ID and QA workstation is designed to enhance technologist productivity. Perform patient ID, image processing, QA and image transmission from a single compact workstation.

Includes digital x-ray FPD, SE cable, software, FDX Console, accessories, and batteries.

#### PHYSICAL SPECIFICATIONS

FDR-D-EVO model G35 (single 14 x 17" wireless flat panel detector):

GOS: Gadolinium Oxysulfide scintillator layer; a-Si: (Amorphous Silicon) readout layer

14 x 17" size - Easily fits standard Bucky trays and detector holders; ISO 4090-compliant

Lightweight (only 5.7 lbs including battery) convenient for table top and for the exams

Patented ISS (Irradiated Side Sampling) capture circuitry design significantly increases DQE (dose efficiency) and MTF (sharpness)

Noise reduction circuitry eliminates non-essential electronic noise when used in conjunction with very low dose images (neonatal) or high absorption areas (mediastinum)

High Resolution: 16-bit, 150 micron capture (2,336 pixels x 2,836 pixels)

Detector withstands 684 lbs. distributed and 352 lbs. point weight load

HYDRO AG moisture-activated antibacterial coating

IPX6 waterproof capability

Three (3) Lithium batteries included; One-hand release button

One (1) 10 meter SE cable for tethered applications included

Fast Image Preview less than 2 Seconds and Processed Image less than 8 seconds

Exposure interval less than 11 seconds

Ready light indicates exposure readiness

Sleep lamp indicates sleep mode status

Detector identification lights

Battery charge indicator light

Centering lights

Maximum exposure time – 10 seconds

Includes master software disks and manuals

#### FUNCTIONAL SPECIFICATIONS

One-button activation for internal memory storage; image storage count display indicates how many images reside in queue

Programmable sleep or extended sleep modes extend battery life when detector is not in use; automatically wakes up from standard sleep when an exam is registered and from extended sleep mode when sleep release button is pressed

Detector indication lights identify specific detector in multiple detector applications

Battery charge indicator visually identified remaining charge time (green or orange)

Programmable Exposure Time: up to 10 seconds max or 3 images per detector to accommodate breathing techniques and sequential imaging studies such as barium swallows

Wireless 2.4 or 5.2 GHz secure in room (32 ft range) closed network (detector to MP unit) Proprietary pairing/handshake protocol ensures transmission, data completion integrity without transmitting patient records and completely isolated from network.

Smart Switch functionality allows universal generator connectivity

#### BATTERY

Dimensions: 3.6 x 10.2 x 2.2"; Weight: 1.3 lb

Charges up to 2 batteries simultaneously

Batteries: 3 included, (1 primary, 2 spare)

Wireless battery option, single quick charge battery design each charge lasts up to 200 continuous exposures or 3 hours, recharge 3 hours max

Three-minute charge provides operational power for up to 30 exposures

Early warnings and safety lockout prevents exposures when battery low

Continuous status and clearly noticeable flashing warnings at workstation

#### POWER SUPPLY (MP BOX)

Dimensions: 4.7 x 15.2 x 14.2"; Weight: 19.1 lb

Integrates wireless to Flat Panel Detectors(s), panel activation with exposure and supplies power to detectors for optional corded use

Register up to 100 flat panel detectors

Connect up to 5 flat panel detectors at one time (4 tethered; 1 wireless)

(1) Detachable detector cord for extended use with or without battery -ft length, supplies continuous power, charging and image transfer

Wireless Access Point: Fuji preferred model for optimal speed and data integrity

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Magnetic cord holders: neatly keeps detachable cord within easy reach

**INTERFACE BOX**

- Integrated connectivity to generator exposure switch
- Includes Hand Switch: coiled wire with 2-stage prep and expose

**ACCESSORIES**

- UPS
- Router
- Network cables

**FDX CONSOLE**

**FEATURES INCLUDE**

- Fuji's Exclusive Dynamic Visualization - total spectrum analysis of light and dark regions for highest contrast PACS display and more detailed window and leveling. Intelligently clarifies and enhances detail of over and under saturated areas for best fit up display.
- Exposure Index & Deviation Index - (EI & DI) compliance capability with the new international standard for tracking patient dose
- QC adjustments including exam reprocessing, sensitivity, latitude, density and contrast
- Auto Trimming: simplifies off center positioned exams readjusting display size for small anatomy
- Dynamic Visualization - automatically recognizes region of interest and applies optimum image processing parameters to deliver reproducible, high quality images every time
- FNC (Flexible Noise Control) - Suppresses noise without loss of diagnostic information or sharpness
- MFP (Multi-Frequency Processing) - Optimizes multiple frequencies, improving dense & peripheral tissues
- GPR (Grid Pattern Removal) - prevents grid moire patterns
- Image Magnification - enables full screen display of an image, as well as image magnification and zoom
- Free text - ability to type comments and add them to the digital image
- Technologist editing tools such as automatic and manual Shutter (black borders) and movable annotation markers
- Basic security features - customizable technologist log in log out and user restrictions
- Statistical Analysis reporting - Text file download of patient image database, including reason for image rejection coding, for reject or other performance analyses
- Synapse Web Query Shortcut - opens Fuji PACS browser without closing application to enable viewing of a patient's prior exams. Only compatible with Fuji Synapse PACS
- DICOM Worklist Management for interface to RIS HIS
- DICOM CR Store for connectivity to PACS

NOTE: Retrofit to existing x-ray systems greater than 10 years old may require upgrading components not optimal for use with a digital detector. Extra costs may include replacement of Grids and faulty or outdated ION chambers or oscillating mechanisms. Larger than 7 x 17" format detector may not be recognized automatically in older x-ray systems.

(2) Days Professional Services: On-site Application training workflow and Image Processing parameters customization

Warranty: 1 Year, full system (valid from original install date)

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GRID D-EVO II SD 14X17 8 1 LD HNDL

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D-EVO INTERFACE CABLE - PHILIPS OPTIMUS

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#### AUTO EXAM SELECT (AES)

Auto Exam Select enables mapping of RIS/HIS exam codes to Fujifilm MPM codes for automatic transfer to the Fujifilm Digital Radiography Workstation. This feature is an excellent workflow-enhancing tool, as it enables transfer of a patient's ordered exam(s) with name from RIS/HIS. Can be used with or without Study Group option.

One license is required per modality type (FDR D-EVO in-r FDR Go, AcSelerate, etc.) for each set of RIS/HIS exam codes mapped to Fujifilm MPM codes

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#### FDX MOTION DETECTION OPTION SW

The software automatically analyzes general radiography images and detects instances of patient body movement. The operator is alerted, and the area of motion is shown.

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#### DEVO WEIGHT BEARING CAP 14"X17"

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#### FDX CNSL DR CUST LOYALTY UPGRD HW/SW

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#### D-EVO II DOCKING STAND ROOM BASE NO FDX

The Fujifilm D-EVO II Docking Stand expands a Radiology Department's digital footprint by connecting a separately-provided D-EVO II flat panel detector to an existing x-ray generator without the need for a hardwired connection by utilizing Smart Switch auto detect technology.

D-EVO II flat panel detectors use Patented Fujifilm ISS (Irradiated Side Sampling) technology offering higher image quality (MTF) and dose efficiency (DQE) potential for dose reduction.

#### PHYSICAL SPECIFICATIONS

##### Docking Stand

Dimensions: 3.7 x 22.8 x 8.0"; Weight: 12.1 lb

Accommodates large and small flat panel detector sizes

Large format detector SE adapter standard

IPX6 SE adapters maintain waterproof capability of D-EVO II detector

Use only one (1) flat panel detector at a time with a Docking Stand

Associate up to 5 flat panel detectors at one time

Floor mount bracket for easy location

#### FUNCTIONAL SPECIFICATIONS

##### Generator Connectivity

Smart Switch auto detect technology automatically prepares the D-EVO II detector to capture x-ray without the need for a hardwired connection to an x-ray generator, transmitting each image to the FDX Console as they are acquired

##### Panel Registration

Allows up to five (5) flat panel detectors

##### Memory Mode Image Upload Management

Images acquired with Memory Mode are uploaded when a D-EVO II detector is placed within the holder and memory mode icon is selected on the FDX Console

#### Battery Charge

Recharge 4 hours max. Wireless battery operation, single quick change battery design; each charge lasts up to 200 continuous exposures or 3 hours exposure time.

#### Panel Readiness Status

Flat panel sensor identification lamp identifies what D-EVO II flat panel detector is in use by color (lime yellow, blue, purple, orange, or pink)

Gr lamp indicates exposure is possible

Blue lamp indicates power is on

Battery pack level indicator shows level of charge for the detector in green. Orange indicates error.

Mute switch mutes the buzzer that sounds when the flat panel sensor is inserted into or when the battery is fully charged.

#### STANDARD ACCESSORIES

FDX Console software

MC software

Docking Stand software

Large format IPX6-rated SE adapter for Docking Stand

Docking stand floor mount bracket

Network cables

Wireless access point

#### OPTIONAL ACCESSORIES

24x30 format IPX6-r