

## QUIX UNIVERSAL RETROFIT KIT

EDGE's Universal Retrofit Kit delivers a price and performance breakthrough, overcoming the barrier that, until now, has slowed widespread adoption of flat-panel digital radiography. The retrofit includes EDGE's unique and superior fab-less Virtual Pixel Array™ combined with direct conversion for excellent image quality. With its single and dual detector configuration options, the Quix Universal Retrofit Kit offers a turnkey solution for the digital migration of any new or existing X-ray equipment. The retrofit kit easily and quickly transforms RAD tables, wall stands, U-/C-arms and other positioning devices to DR. The intuitive, touch-screen Quix Operator Console enables full DR workflow, image processing, export, print and DICOM storage. The Quix Universal Retrofit Kit offers a smooth and affordable transition to digital radiography for hospitals, orthopedic practices, clinics and all RAD imaging facilities.



- The Retrofit Kit installed in a standard float-top table.

P U S H I N G



- Quix OC Operator Console



- QuixDB Digital Bucky and grid

## SHARPEN YOUR EDGE WITH QUIX UNIVERSAL RETROFIT KIT

- **An Affordable Upgrade to DR**

The Quix Universal Retrofit Kit fits into any X-ray system and operates in conjunction with all existing X-ray generators. Whether upgrading existing X-ray equipment or integrating it as part of a new DR system, Quix is the simplest, fastest and most affordable way to migrate to DR and extend your customer's return on investment.

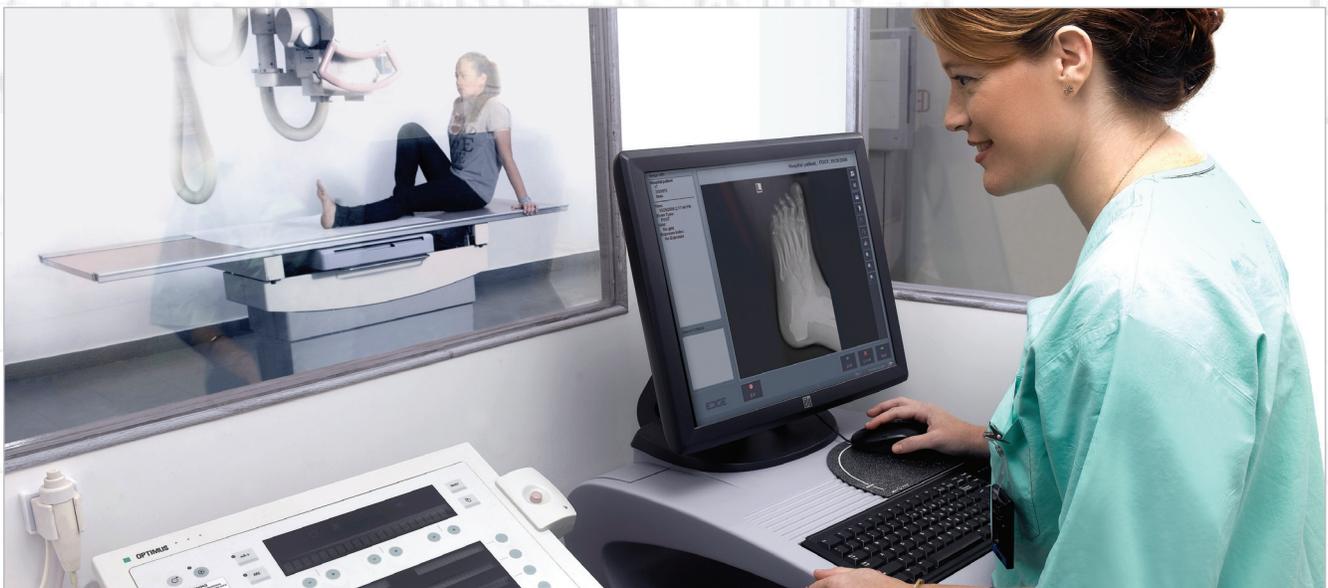
- **Direct Conversion for Excellent Image Quality**

EDGE's excellent image quality results from a combination of a direct conversion process and Plasma DR™, EDGE's proprietary DR technology. This combination provides superior image quality by eliminating the light-emitting second step inherent with indirect conversion detectors and preventing the unavoidable image blur that arises from optical scatter and diffusion.

- **Self Calibrating for Consistent Image Quality**

The Quix Retrofit Kit calibration process is automatic and X-ray free. The quick process ensures consistent, reproducible high - quality images on a regular basis with no service call or complications. With radiation - free self - calibration, the problems of different sensitivities to radiation and scatter are eliminated, and standardized results are ensured.

T H E



- **Advanced Image Processing for Sharp Diagnostic Images**

EDGE's proprietary image-processing algorithms enhance the available diagnostic information, ensuring high-quality images time after time. Post-processing and observer-controllable display window settings further boost diagnostic quality.

- **No Cassette Handling for Maximum Efficiency**

The Quix Universal Retrofit Kit eliminates cassette-based imaging. This means no cross-contamination, no electrostatic artifacts, and no scratched or worn cassettes. The retrofit kit provides the ultimate in clinical flexibility and workflow by using tandem digital buckys controlled by a single Quix Operator Console.

- **Universal Fit Thin Bucky for Speedy Setup**

The thin-profile QuixDB Digital Bucky is designed to directly replace the film-screen bucky in a standard wall stand or radiographic table. The large imaging area, which is nearly 17"x17", captures full field images without requiring the removal or mechanical rotation of the sensor plate. No complex table or wall stand modifications are needed, simplifying the upgrade process and minimizing downtime.

E D G E



## PLASMA DR™ – BREAKING THE PIXEL BARRIER

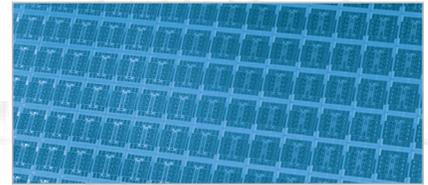
EDGE's proprietary Plasma DR™ replaces the complex and expensive array of active elements found in other systems with a fab-less Virtual Pixel Array™, for a zero - defect detector and excellent diagnostic images. Plasma DR™ incorporates innovative micro-plasma line addressing, a direct conversion amorphous selenium sensor and proprietary low-noise readout application specific integrated circuit (ASICs) into a flat panel detector. Plasma DR™ harnesses the benefits and power of amorphous selenium with a proprietary multi layer and sensor structure that eliminates the problematic selenium TFT interface. Moreover, Plasma DR uses a large-area monolithic sensor, eliminating dead pixels, tiling and seam artifacts and reducing electronic complexity. The robust detector, with its Virtual Pixel Array™, does not degrade over time ensuring zero - defect advantages throughout the detector's lifetime.



• Direct conversion selenium coating.

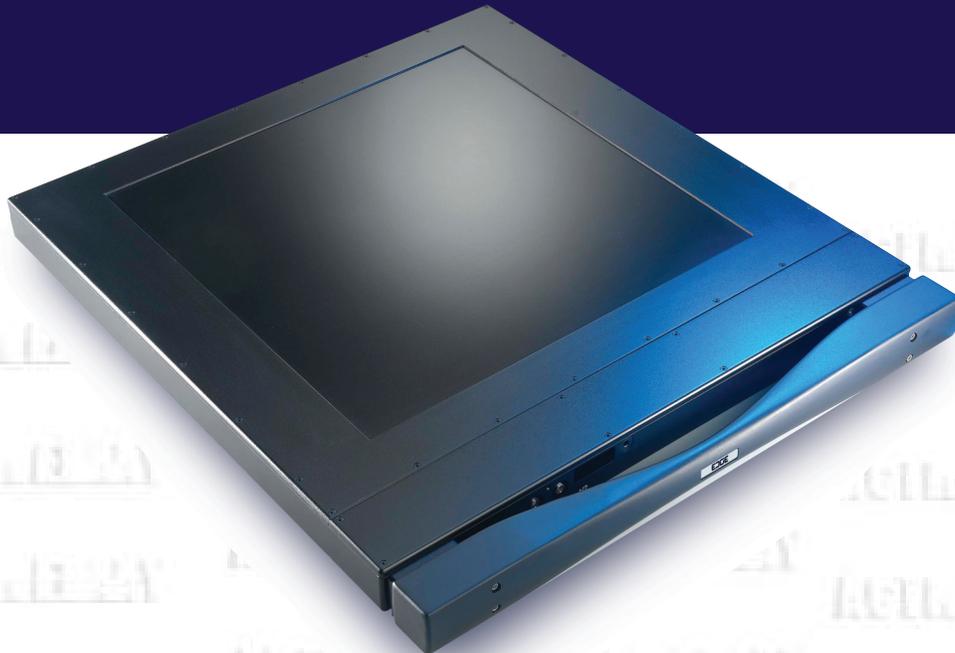


• Large imaging area.



• Very low noise readout ASICS

# T H E E D G E



**SEAMLESS**

Monolithic sensor panel

**FLAWLESS**

Zero defect panel

**TIMELESS**

Radiation hard panel

**FABLESS**

No TFTs/Photodiodes

## UNIVERSAL RETRO FIT KIT TECHNICAL SPECIFICATIONS

### QuixFP-100 Flat Panel Detector

- Dimensions: 582 mm x 655 mm x 45 mm
- Weight: 23.4 kg
- Imaging Area: 420 mm x 406 mm
- Direct conversion, a-Selenium multilayer
- 160 x 160 micron pixel
- A/D: 14 bit,
- Gray Scale: 12 bit
- Fill factor: ~100%
- Equivalent speed: 400
- Image Readout: < 2 seconds
- Certification: FDA 510(k), CE, UL

### Quix OC Operator Console

- Intuitive DR workflow operation software
- Controls and powers 1-2 detectors
- Auto-calibration of detectors (without X-ray)
- AEC config and calibrate tool
- DICOM Worklist
- Advanced Image Processing software
- Review/edit image tools
- DICOM Print and Storage
- CD burner for patient examination referral CDs
- Local database of X-ray examinations
- Certification: FDA 510(k), CE, UL

## ABOUT EDGE

EDGE Medical Devices is a pioneering medical imaging technology company dedicated to developing, manufacturing and commercializing innovative, high-quality digital radiography equipment that delivers superb performance at an affordable cost.

### QuixDB Digital Bucky

- Dimensions: 592 mm x 671 mm x 87 mm
- Weight (with detector and grid): 39 kg
- Radiolucent patient interface
- Interchangeable static grids
- 3 field or 5 field AEC ready
- Certification: FDA 510(k), CE, UL

#### Operating Environment

- Humidity: 10% to 75% non condensing
- Temperature: 5°C to 35°C / 41°F-95°F
- Note: a conditioning unit to maintain a controlled internal detector environment is supplied