

FUTURAYTEC

Leading the Future X-ray Imaging Technology

FV4343 Provides best X-ray images with effective total cost of ownership

➤ FV4343 Csl Wired

- Wide range of general radiography application
- Best suited to DR System and Retrofit(Upgrade)
- Best Image Quality ensured by Highly Sensitive Csl



FUTURAYTEC

(주)퓨처레이텍

www.futuraytec.com

Product Specification & Applications

FV4343 CsI

Panel	Single substrate amorphous silicon TFT / diode array
Scintillator	Highly Sensitive CsI(direct deposition) doped with TI
Pixel Matrix	3072 x 3072
Pixel Pitch	140 μ m
Active Area	430 x 430 mm
MTF	36% typ. @2.0 cy/mm
DQE	70% typ. @ 0 cy/mm
Resolution	3.5cy/mm typ.
ADC	16bits
Generator Interface	AED (Automatic Exposure Detection)
Interface	Gigabit Ethernet
Preview Time	3 sec
Image Acquisition Time	5 sec
Recommended Cycle Time	Less than 10 Sec
Images per Hour	140
Power Adaptor	12.0V \approx 4.0A
Input AC	100~240V, 50/60Hz
Power Consumption	Less than 20W
External Dimension	460 x 460 x 15mm
Weight	3.2 kg
Housing	Front Cover Carbon Fiber
Energy Range	40 ~ 150kVp
Operating Environment	Sensor Unit : 10~35°C, 10~80% RH (non-condensing)

> Clinical Images

Medical



> SMART DEMIS

Console Software

- User Friendly Interface
- Excellent Stitching (3 images)
- Excellent Image Quality & Speed
- Reliable Data Management
- Automatic Actual Dose Calculation
- Stable and Convenient DICOM Communication

Smart DEMIS



> EM PACS

Picture Archiving & Communication System

- Compatible with all types of OCS and EMR
- Scalability - DICOM3.0 Compliant
- Reliability - Data can be secured with multi-level back up
- Easy and Intuitive User Interface
- Cost effective with lower cost and normal PC availability

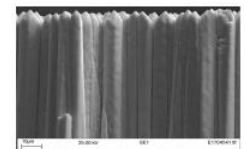
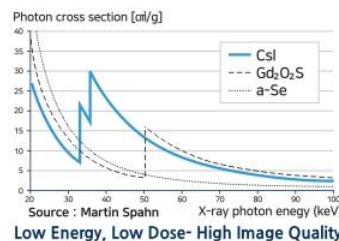
EM PACS

Smart Medical Imaging System



> Benefits of FV CsI Scintillator

- Cesium, the most efficient scintillator for X-ray
- High Quality Image with less dose
- Reduced Scattering - Unbreakable Columnar Structure
- 8 times higher Light Yield vs. GOS



Source: Scintacor.com

Column Shape Crystal Vapor Deposition

