



Unrivalled Performance & Reliability

EXPD 3643P EXPD 4343P



Highlights

- Multi-purpose detector for various static & multi-frame application
 - Outstanding low dose performance
- Exceptional image quality with multi-frame function

Powerful Versatile Solution with Multi-frame Modality

EXPD P series is truly a multi-purpose detector supporting various applications. It can be utilized as static general radiography imaging for both reliable retrofit detector and system integration. With 6fps* frame rate, it can also be integrated into a X-ray system as a multi-frame required application.

**Upgradable to higher frame rate*

✓ Tomosynthesis Application

✓ DES (Dual Energy Subtraction) Application

✓ System Integrated General Radiography

✓ High Performance
Retrofit General Radiography

Advanced Features

Efficient Dose Management

Compared to amorphous silicon, IGZO has significantly low leakage current in the off state. This helps EXPD P series to deliver superior noise reduction and high DQE performance even at lower dose conditions.

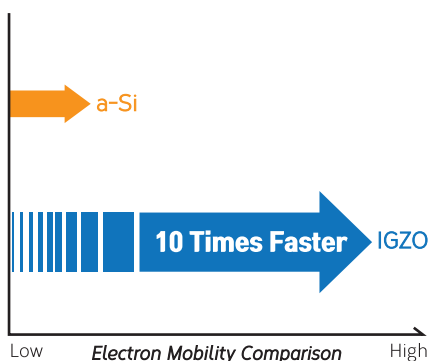
Superior Performance for Multi-frame Application

EXPD P series maintains high DQE similar to mid dose range even at very low dose condition. It allows the highest imaging performance especially for multi-frame applications.

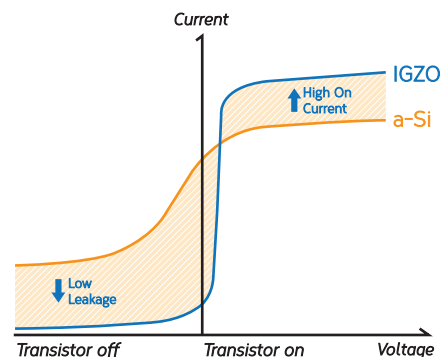
Flexi-wired Single LAN Cable Interface

Single LAN cable connection enables fast and straight-forward installation. Easy and cost effective service is possible with the use of single LAN cable. EXPD P series supports X-ray sync. for multi-frame purpose via D-sub connector.

Remarkable IGZO Performance over a-Si

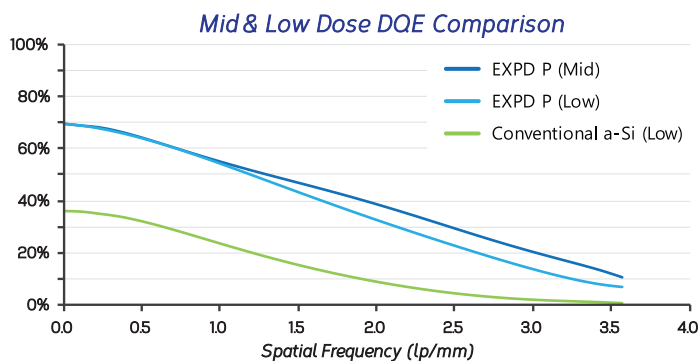


- ✓ 10 times faster electron mobility
- ✓ Fast readout without image lag
- ✓ Significantly lower leakage current
- ✓ High contrast image
- ✓ Superior noise reduction



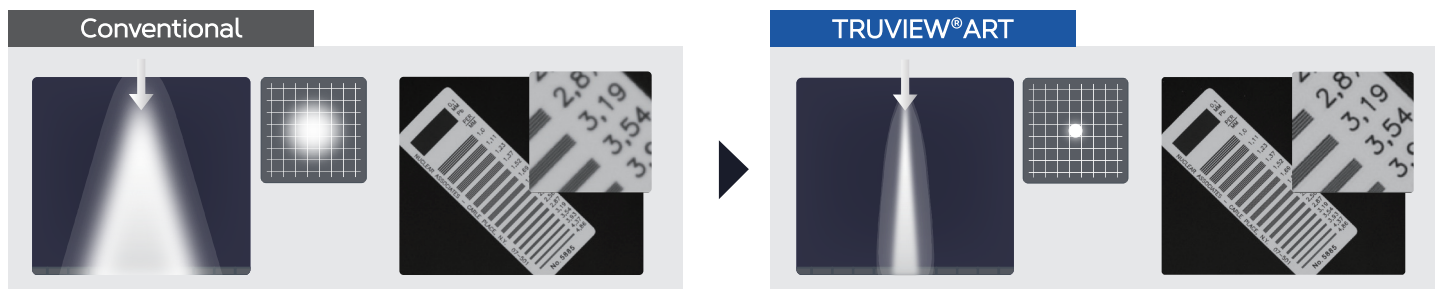
Significant Imaging Performance at Low Dose Conditions

IGZO's low electronic noise and less image lag enables high DQE performance even at low dose. Dedicatedly designed for dose efficiency, EXPD P series deliver similar image quality at more than 30% lower dose condition compared to a-Si detector which has comparably low DQE value at low dose range.



Exceptional Image Quality for Multi-frame Application

TRUVIEW[®]ART removes the light scatter caused during light output energy conversion to increase overall sharpness of the image. This state-of-art technology applied on pre-processed images improves sharpness for better anatomy distinction especially in TOMO and DES applications.



Model	EXPD 4343P / EXPD 3643P	Resolution	3,072 x 3,072 / 2,560 x 3,072
Panel	IGZO	AD Conversion	16 bit
Scintillator	Direct Deposit Csl: TI	Frame Rate* (4343 / 3643)	16 fps(1x1), 32 fps(2x2) 7 fps(1x1), 14 fps(2x2), 18 fps(3x3)
Active Area	430 x 430 mm / 430 x 358 mm	Data Interface	Gigabit Ethernet
Pixel Pitch	140 μm	Dimension	460 x 483 x 15.5 mm / 386 x 460 x 15.5 mm
AED	Lossless AED/AWC	Weight	4.3 kg / 3.5 kg
X-ray sync.	D-sub connector		