

EVS A Series Specifications

Model	EVS 4343A / EVS 4343AG
Scintillator	CsI / Gadox
Active area	430 x 430 (mm) / 17 x 17 (inch)
Resolution	3.072 X 3.072
Pixel pitch	140 μ m
Dimension	460 X 460 X 15.5 mm (Protruding Area: 242 x 125.5mm)
Weight	4.3 kg
X-ray Sync.	Lossless AED/AWC , Sync Trigger
Communication	Gigabit Ethernet (LAN Cable)
A/D Conversion	16-bit
Dust/Water Resistance	IP53

Model	EVS 3643A / EVS 3643AG
Scintillator	CsI / Gadox
Active area	358 x 430 (mm) / 14 x 17 (inch)
Resolution	2.560 X 3.072
Pixel pitch	140 μ m
Dimension	386 X 460 X 15.5 mm (Protruding Area: 242 x 125.5mm)
Weight	3.5 kg
X-ray Sync.	Lossless AED/AWC , Sync Trigger
Communication	Gigabit Ethernet (LAN Cable)
A/D Conversion	16-bit
Dust/Water Resistance	IP53

EVS W Series Specifications

Model	EVS 4343W / EVS 4343WG
Scintillator	CsI / Gadox
Active Area	430 x 430 (mm) / 17 x 17 (inch)
Resolution	3.072 X 3.072
Pixel Pitch	140 μ m
Dimension	460 X 460 X 15 mm
Weight	3.4 kg
X-ray Sync.	Lossless AED/AWC, Sync Trigger
Communication	IEEE 802.11n (2.4 GHz, 5GHz) - Dual bandwidth Gigabit Ethernet (Ctype Cable)
A/D Conversion	16-bit
Dust/Water Resistance	IP54

Model	EVS 3643W / EVS 3643WG
Scintillator	CsI / Gadox
Active Area	358 x 430 (mm) / 14 x 17 (inch)
Resolution	2.560 X 3.072
Pixel Pitch	140 μ m
Dimension	386 X 460 X 15 mm
Weight	2.9 kg
X-ray Sync.	Lossless AED/AWC, Sync Trigger
Communication	IEEE 802.11n (2.4 GHz, 5GHz) - Dual bandwidth Gigabit Ethernet (Ctype Cable)
A/D Conversion	16-bit
Dust/Water Resistance	IP54

* Specifications are subject to cahnge without prior notice.

*Ultimate Portability & Performance
for flawless low dose imaging*

EXPRIMER



EVS Advanced
Best Image Quality with Limitless Performance

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DRTECH



EVS 4343W/3643W

Superb flexibility & portability with high durability
Wireless detector with innovative power charging solution



EVS 4343A/3643A

Exceptional image quality & performance
Wired detector with ultimate convenience

EXPRIMER

EVS Advanced Series Key Benefits



Superb image quality even at low dose



Improved work efficiency with fast patient throughput



Exceptional images with high DQE & reduced noise



Enhanced reliability with Smart Diagnosis & IP54/53 ingress protection



Advanced W Features

OLED Display for User Convenience

Easy & simple way to check detector status

EVS-W series OLED display provides information for easy visualization of the detector status. The display enables the user to check connection status, detector mode status, number of image acquisition, patient information and battery status for increased workflow efficiency.

WPCS* for 24hr Power Management

*WPCS (wireless power charging system)

With WPCS, EVS-W series can be used 24 hours a day without the need for battery change. The Rx module embedded in the detector receives power from the Tx module installed inside the bucky or the wireless power charging cradle allowing for continuous battery charging.

*Optional

CR Mode & 3-button Design

for ultimate portability

Image acquisition without a workstation is available with EVS-W series. The detector can be connected with a mobile device to ensure that images are being taken correctly to minimize the risk of retakes. With 3-button design, quick mode switch and simply adding patient are available.

Innovative USB C-type Cable Power Charging Solution

With the USB C-type connection technology, image transfer and detector power charging is possible with Single USB C-type cable. It has taken portable X-ray to the next level by allowing for battery charging using a portable power bank.

Advanced A Features

Simple Configuration

for fast and easy installation

Only 2-part hardware configuration for easy installation. By eliminating the SSU(Control Box), detector to X-ray interface is simplified allowing for flexible space utilization and installation.

IP53 Ingress Protection

for extra durability

EVS-A series provides high flexibility and robust durability in any X-raying environment with its IP53 ingress protection. Protect your detectors against environment derived failures in variety of applications.

Fast Image Acquisition Time

for fast patient throughput

With less than 3 sec. detector cycle time, EVS-A series enhances workflow efficiency. It allows high image quality with faster patient throughput without sacrificing its performance or image quality.

Flexi-wired Single LAN Cable Interface

Fast DR upgrade without X-ray generator integration

Single LAN cable connection enables fast and straight-forward installation. Easy and cost effective service is possible with using single LAN cable.

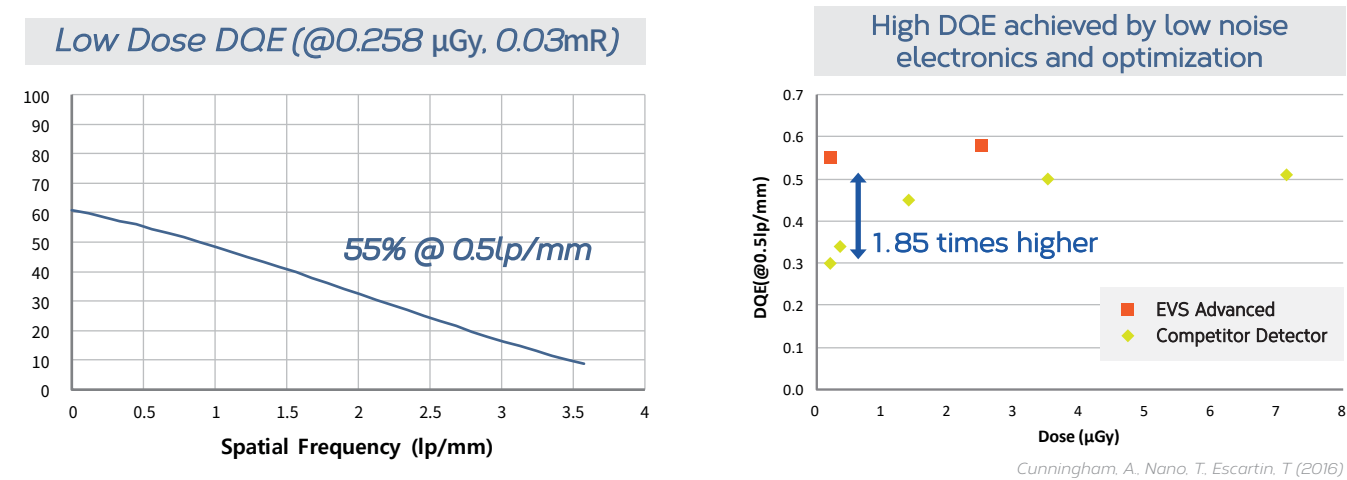
For Higher Level of Diagnostic Imaging

Smarter, faster and better radiography solution with high quality imaging technology.

Outstanding Image Quality with Dose Reduction Technology

High DQE @ Low Dose enabling low dose imaging

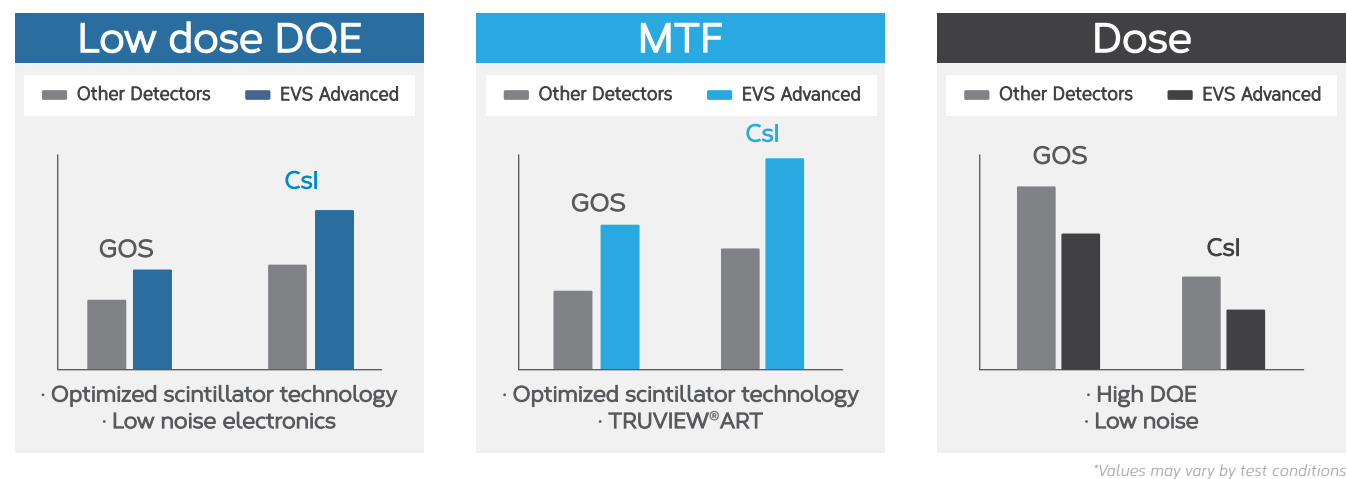
Designed to achieve high DQE at low doses, EVS Advanced series products create an opportunity for dose reduction without compromising image quality by **Ultra Low Noise Technology**.



High Sensitivity, Low Noise high quality images @ low dose

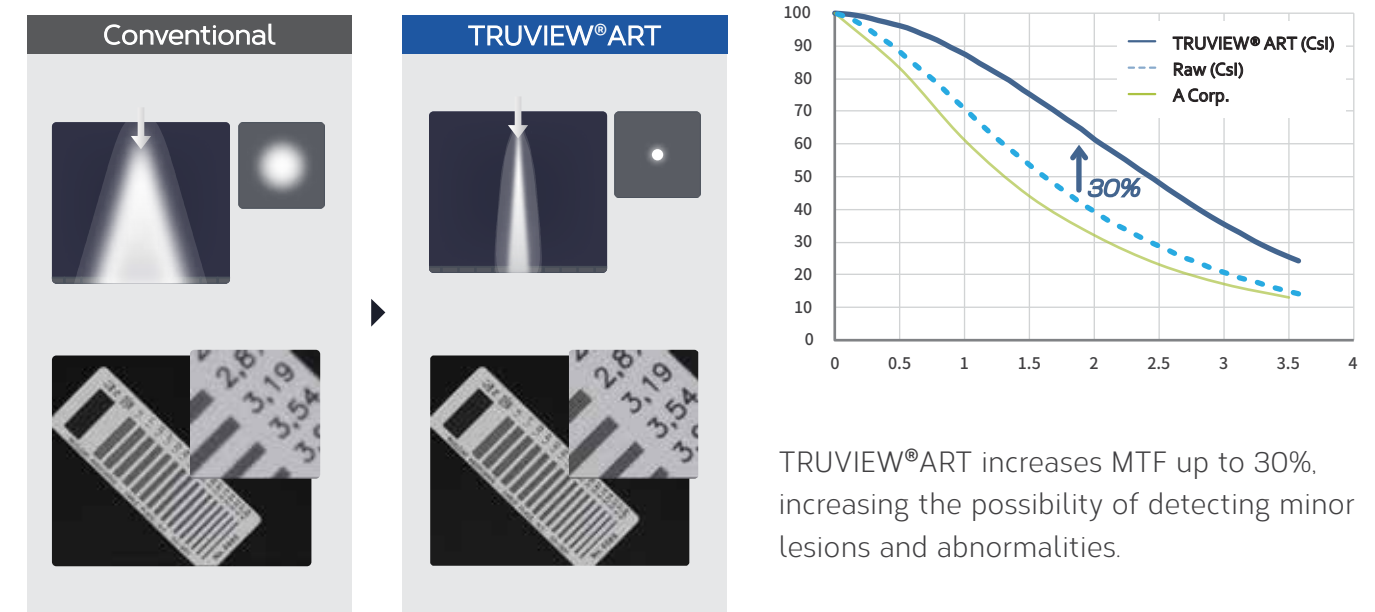
With directly deposited CsI technology and optimized CsI thickness, EVS Advanced series X-ray efficiency is increased resulting in high SNR even at low dose conditions.

With low noise electronics, dose reduction is possible as high DQE performance is achieved at lower dose conditions.



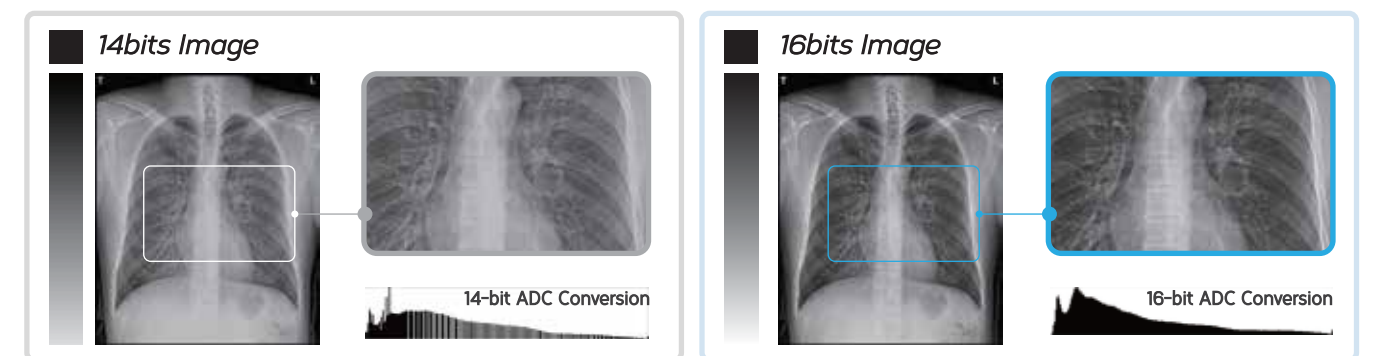
TRUVIEW®ART Advanced image reconstruction technology

DRTECH's image processing algorithm **TRUVIEW®ART** enhances the image quality by increasing MTF in an indirect type (CsI or GOS) FPD where X-ray is converted into light energy. TRUVIEW®ART removes the light scatter caused during light output energy conversion to increase overall sharpness of the image.



TRU16 bits : Wide dynamic range with full 16-bit ADC conversion

With full display of TRU16 bits expression, EVS Advanced series provides high contrast detailed images and higher sensitivity for ultimate diagnostic confidence.



For Smarter and Easier to Use & Minimal Maintenance

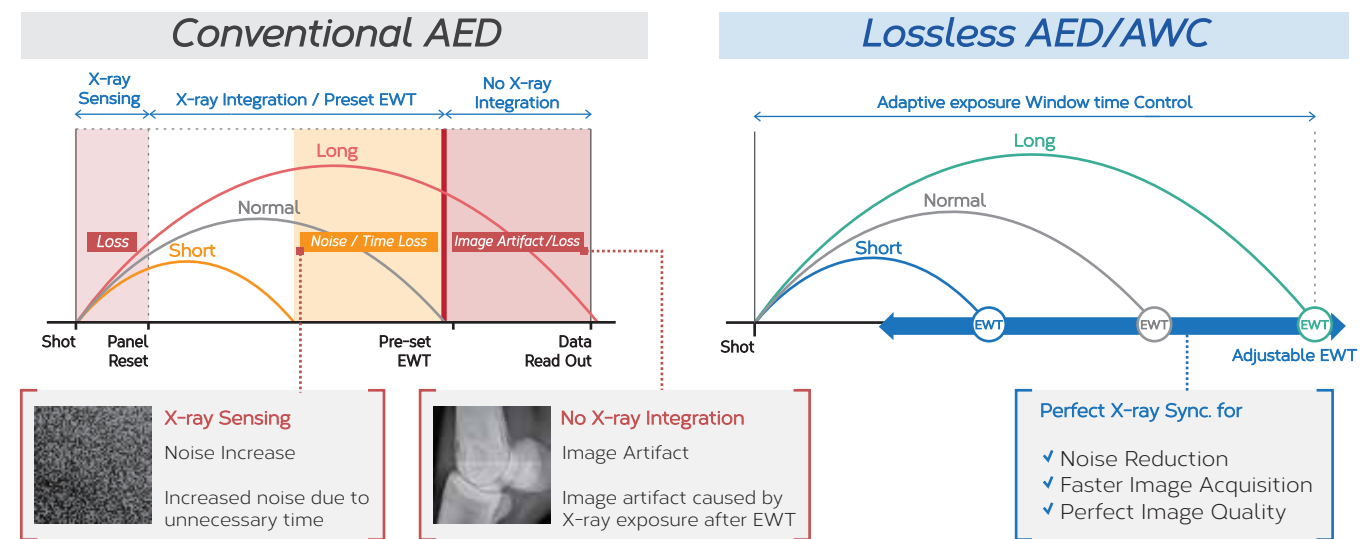
Smart installation & easy maintenance features for ultimate convenience

Highly efficient radiography with Smart AED for perfectly synchronized X-ray sensing

Lossless AED/AWC Technology Perfect Auto X-ray Sync.

DRTECH's innovative technology Lossless AED/AWC increases dose efficiency and image quality by detecting X-ray start and finish with perfect precision.

Unlike conventional AED technology which only detects the start of the X-ray, Lossless AED/AWC automatically identifies the end of the X-ray eliminating the need for a preset EWT.



Reliable Lossless AED/AWC technology **reduces failure rates** caused by X-ray sensing errors and eliminates the need for X-ray integration **accelerating the installation time.**

*AWC - Adaptive exposure Window time Control / *EWT - Exposure Window Time

High Reliability and Availability with robust H/W design

IP54 / IP53  

EVS Advanced series provides high flexibility and robust durability in any X-raying environment with its high ingress protection.

LAN Cable + Fixed Bracket

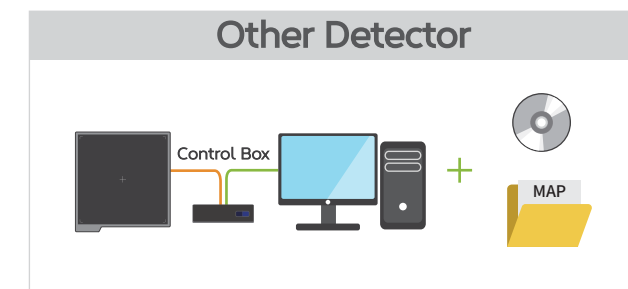
EVS Advanced series adopted highly flexible LAN cable + fixed bracket design to reduce service costs and increase cable reliability



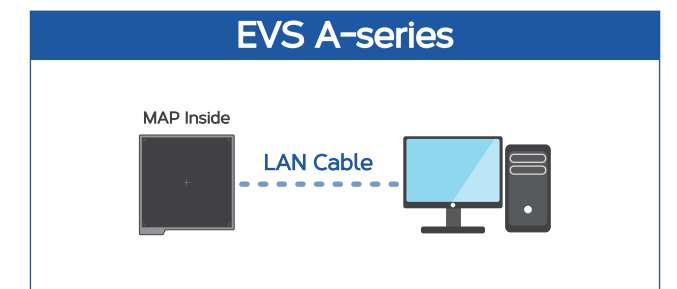
Smart Installation

: Easy detector installation with detector loaded MAP files

Easy installation S/W and 'MAP Inside' feature enables fast and simple initial installation & maintenance for ultimate user convenience. Unlike other detectors, which require 5 steps for detector installation, easy installation S/W shortens the process into 2 steps. Also, it features a recovery function for any unexpected error such as PC failures.



- 1) Connect Detector, Control Box and PC
- 2) Insert CD into PC
- 3) Run the S/W installer
- 4) Copy map files to proper destination
- 5) Run S/W to set the path to map



- 1) Detector connection with PC using Ethernet
- 2) Run easy installation S/W installer (Finish)

Smart Diagnosis Function for easy maintenance

Fast and accurate diagnosis of the detector function against major H/W functions to prevent major malfunctions before it occurs.

- For improvement of service or maintenance action
- Enables regular detector diagnosis to prevent possible H/W failures
- Diagnosis results can be easily interpreted by the radiologist for efficient service request

