Technical Specifications

Model	**EVS 3643 (Wireless)**
Detector Type	Direct deposition CsI or Gadox
Weight	2.98 kg
Active Area	358 X 430
Pixel Pitch	140
Resolution	2,560 X 3,072
A/D Conversion	14 bit
Input Voltage	DC 12V, 5A
Communication	Giga Ethernet / IEEE 802.11n (5 GHz)
X-ray I/F	Lossless AED / Sync Trigger

Model	**EVS 4343 (Wired)**
Detector Type	Direct deposition CsI or Gadox
Weight	4.5 kg
Active Area	430 X 430
Pixel Pitch	140
Resolution	3,072 X 3,072
A/D Conversion	14 bit
Input Voltage	DC 12V, 5A
Communication	Giga Ethernet
X-ray I/F	Lossless AED / Sync Trigger

Service is Powered by: BPL SmartUPKeep Service

Service Helpline
1800-425-2355

CERTIFIED ISO 13485:2003, ISO 9001:2008 COMPANY
BPL Medical Technologies Private Limited
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Website: www.bplmedicaltechnologies.com
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CIN: U33110KA2012PTC067282

Happier Living Everyday

BPL EVS Series:RG: 01:18:12PGB

BPL *EVS Series*

Digital Flat Panel Detectors

BPL Medical Technologies

Smart Portability

Best Quality Image

Limitless Performance

Happier Living Everyday

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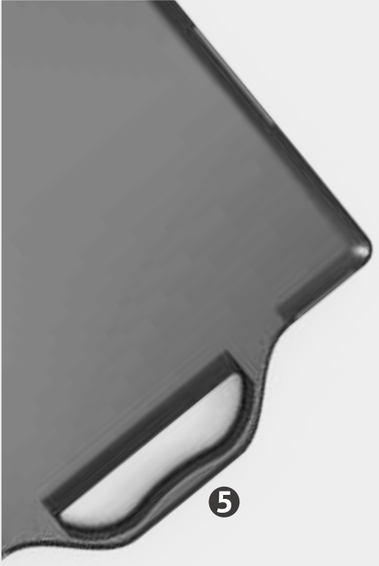


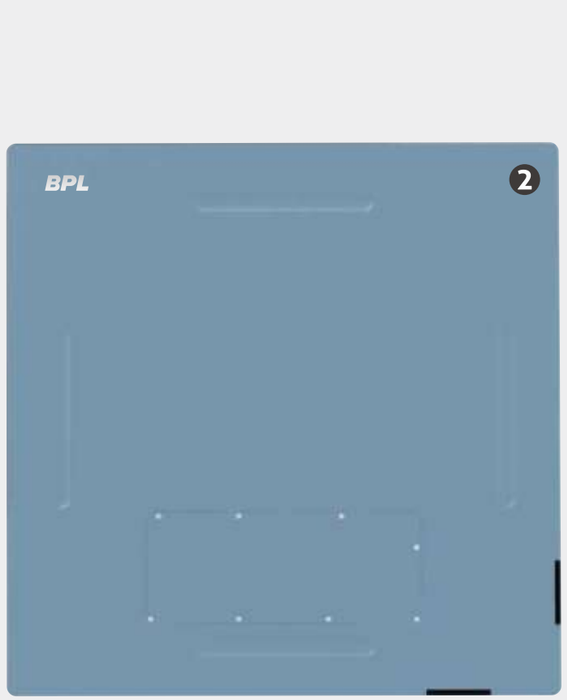
Benefit from Excellent Quality X-ray Imaging with BPL *EVS Series*

Smart portability & best quality image for limitless performance

BPL EVS Series' innovative digital X-ray solution combines advanced 'Information Technology' with the latest digital detector technology. With its versatility, BPL EVS Series provides ultimate image quality and can be applied in multiple environments for various applications.

EVS 3643 is a portable model that provides limitless portability with reliable operation.

Upgrade Now! Experience unbeatable performance of BPL EVS Series and increase your productivity and diagnostic confidence!

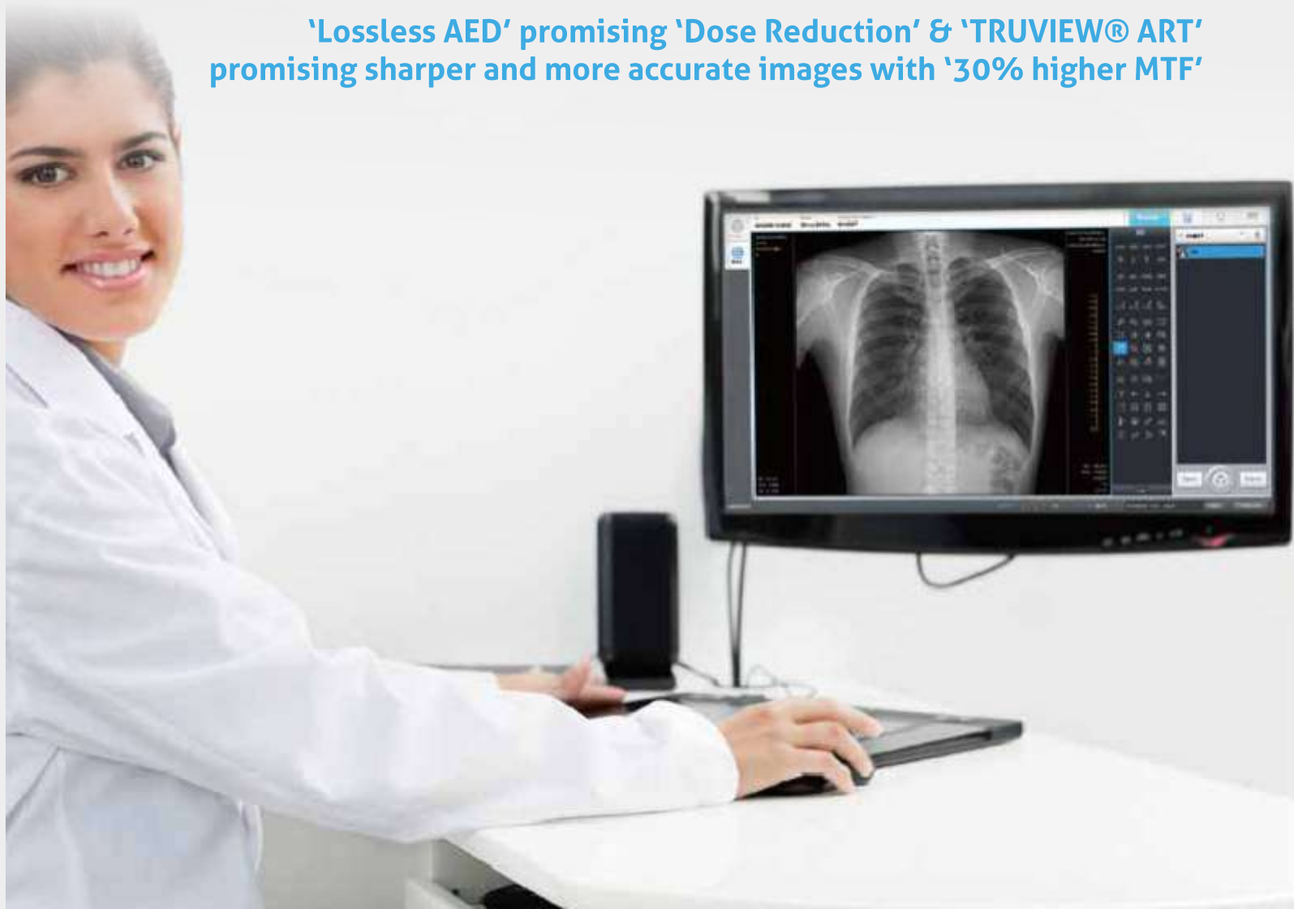


1. EVS 3643 (Wireless)
2. EVS 4343 (Wired)
3. PCP (Portable Console PC)/Portable Workstation
4. Battery Charger (Optional)
5. Protection Suit (Optional)

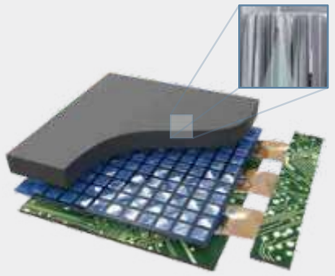
BPL EVS Series, the innovative digital X-ray solution suits multiple diagnostic environments with different needs.

- Excellent image quality using direct deposited CsI
- Ultimate sharpness of the image by TRUVIEW® ART
- Instant upgrade to digital mobile X-ray system
- Patient dose reduction with reliable Lossless AED
- High resistance to impact and vibration
- Low price fixed grid (120 lines / inch)
- Light weight and durable design for portable applications

'Lossless AED' promising 'Dose Reduction' & 'TRUVIEW® ART' promising sharper and more accurate images with '30% higher MTF'

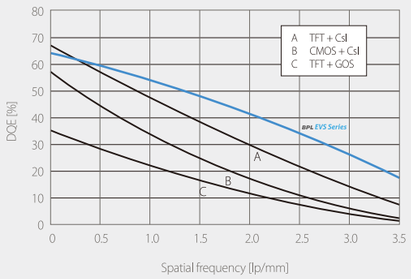


Benefit from Excellent Quality X-ray Imaging with BPL *EVS Series*



Intensified image sharpness with directly deposited CsI

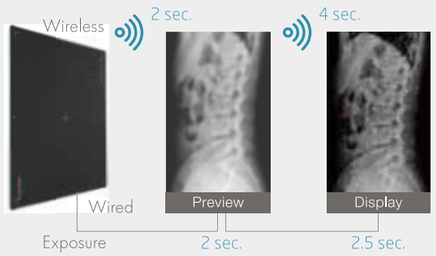
Directly deposited CsI can provide clearer images at lowest dispersion compared to conventional CsI and GOS scintillator. High quality images are not a result of any one feature such as smallest pixel size or low electronic noise, but achieved when all components of the detector are optimized to operate in harmony with each corresponding specification.



Better DQE performance in higher spatial frequencies

BPL EVS Series with its well oriented direct deposition columnar structure CsI + TFT has high DQE performance providing outstanding high quality images. It also demonstrates comparably excellent DQE* performance in high spatial frequency range.

*DQE measurement condition: RQA-5 (Typical 2.6 uGy)



Faster image display with high speed operating scheme

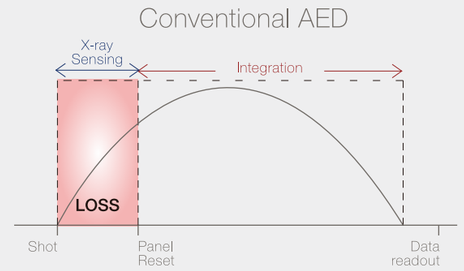
Fast image preview and display time of BPL EVS Series products allow for more effective and efficient operation leading to increased productivity. Image preview in both wired and wireless modes are achieved less than 2 seconds and a full image is acquired in 4.5 and 6 seconds respectively.

Best image processing solution for fine tuned quality images ECONSOLE1 & TRUVIEW® ART

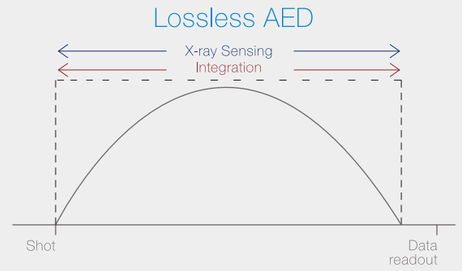
ECONSOLE1 (UI Software) and TRUVIEW® ART (image sharpening algorithm) provides a perfect solution to increase diagnostic productivity and accuracy. With easy to use convenient user interface design and powerful image processing engine, ECONSOLE1 & TRUVIEW® ART enable more accurate diagnosis with high quality and highly defined images.

Lossless AED

Conventional AED function consists of three steps: X-ray sensing, panel reset, and charge integration. Integration time is delayed as extra time is required for panel reset which occurs after the panel senses the incoming X-ray signal. The loss is inevitable even when separate sensor modules within the detector system are used. When acquiring images of thick objects, the loss rate can increase even further. Lossless AED innovatively improved the reliability of sensitivity through operating scheme optimization.



Conventional AED sensing: 3 steps required
1. X-ray sensing 2. Panel reset 3. Charge integration



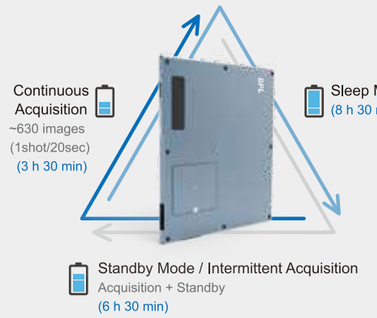
Lossless AED sensing: 1 step required
Simultaneous X-ray sensing & Charge integration

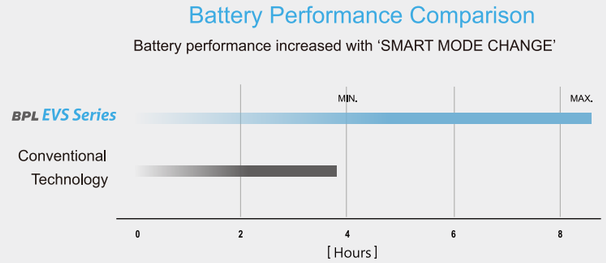
Benefits of Lossless AED

- Patient dose reduction with more reliable X-ray sensing and integration
- Increased AED sensitivity
- Stable and highly accurate X-ray sensing
- Reliable operation without interruption by external shock or vibration
- Long lasting battery with low power consuming operating system
- Easy switch from sleep mode to acquisition mode with 'Smart Mode Changes'

Lossless AED Power Management with 'SMART MODE CHANGES'

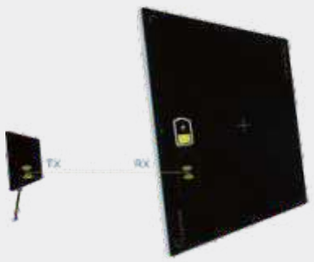
Lossless AED Mode, Innovatively Improves Battery Performance

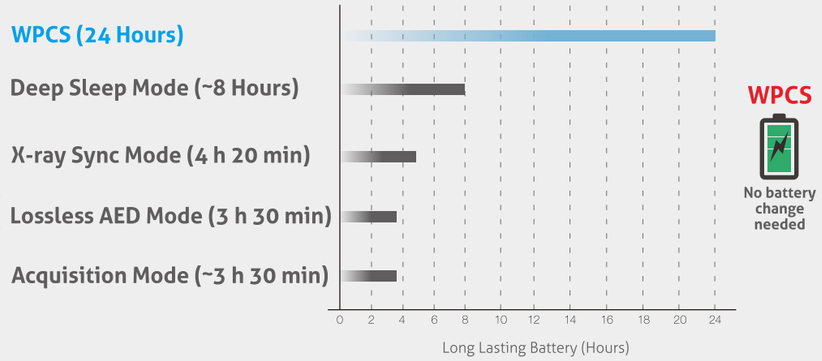




WPCS - Wireless Power Charging System

BPL EVS 3643 is embedded with industry's first wireless charging system to enable seamless 24 hour wireless operation for perfect portability. WPCS technology incorporates RX and TX power transmission technology to enable fast and effective wireless charging without the need for a battery change to provide ultimate convenience to its users.





Benefits of Lossless WPCS

- Available in two forms for integration in every diagnostic environment
- Type: Bucky installation or Cradle
- Safer diagnostic environment with removal of hazardous wires and cables
- No need for battery change
- Fast and reliable battery charging
- Less product corrosion due to battery removal
- Longer battery life

The Ultimate Versatility of Mobile BPL EVS Series

Digital Flat Panel Detectors

General Radiography

Examination Bus & Outdoor

WPCS Application

EVS 3643

X-ray Mobile System

WPCS Cradle

EVS 3643

- Ultimate portability
- WPCS support (wireless battery charging)
- Light weight 2.98 kg and robust design
- Water proof function for increased reliability [IPX4]

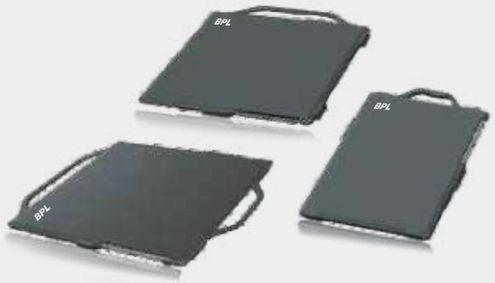
EVS 4343

- Robust and safety design against shock and drop
- High definition images by direct deposition CsI
- Fast image acquisition time less than 2 sec
- Highly reliable and stable genrad

Innovative Technologies for Limitless Portability

Slim Dual Battery Charger (Optional)

Simultaneous charging of two batteries is possible with the dual battery charger. Its insertion design supports EVS 3643 battery. Supported with 12V, charging on-the-go is possible as it connects with the cigar outlet of any car.



Protection Suits (Optional)

Available in three different designs to match various user requirements and to protect your BPL EVS detector in style from various environmental hazards. With an ergonomic design, you can achieve optimum usability in any X-ray applications. Combined with a tablet mounter, you can increase your productivity with one compact package in any portable situations.

PCP (Portable Console PC)

Instant digital upgrade is possible when PCP is combined with EVS 3643. Eliminate the need for additional control box between the detector and the PC, user can acquire digital images instantly with BPL EVS Series' PCP. Built-in AP maximizes the portability of BPL EVS Series' portable detectors by allowing direct communication with tablet PCs. Acquired images can be checked using smart phones or other mobile devices. With a PCP and wireless communications, high definition images can be acquired anywhere and anytime allowing for unlimited outdoor and mobile imaging.

EVS 3643 with Water Proof [IPX4]

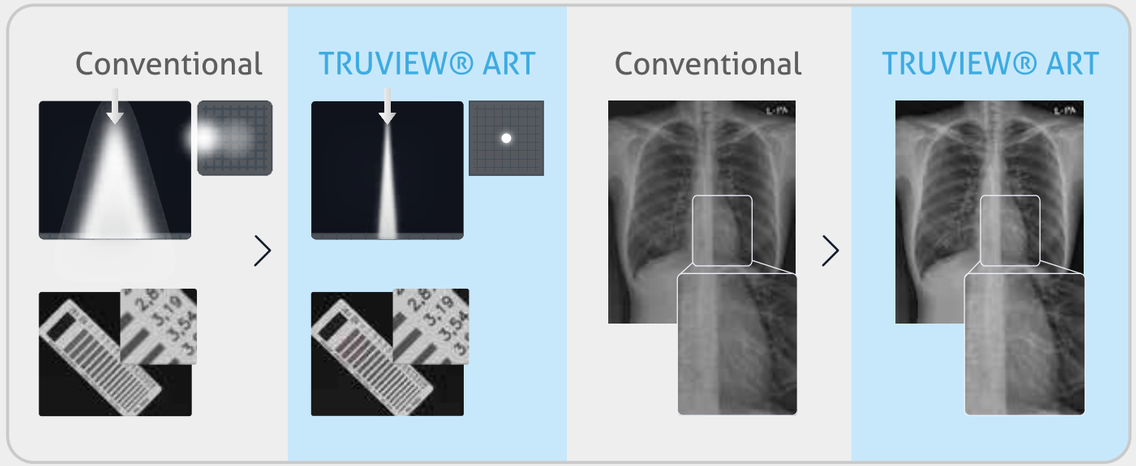
EVS 3643 has the water resistance [IPX4] feature which provides protection against blood, sudden rain or other contaminants which can affect the detector performance in mobile applications. EVS 3643 delivers reliable performance in any environment and unexpected situations providing perfect portable solution for X-ray diagnostic imaging.

TRUVIEW®ART

TRUVIEW ART

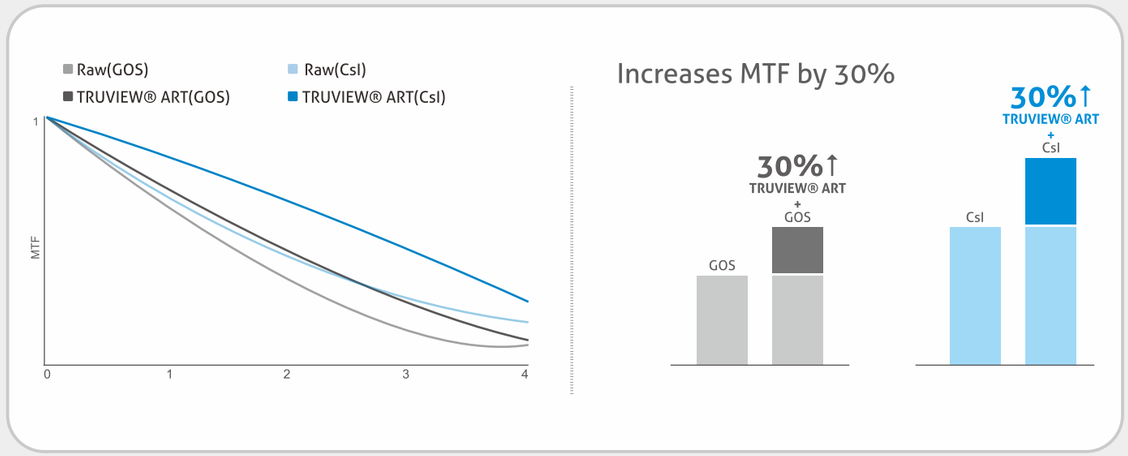
ADVANCED IMAGE RECONSTRUCTION TECHNOLOGY

Image sharpness of an object in a conventional image is reduced due to light dispersion. TRUVIEW® ART, a unique reverse filtering technology using mathematical analysis, reconstructs and improves image sharpness to increase the possibility of detecting abnormalities.



MTF Enhancement Effects of TRUVIEW® ART

This advanced image reconstruction technology increases MTF by 30%. Thanks to this solution, the image sharpness level of Gadox models match up to that of conventional CsI panels, and the image sharpness of CsI models is further enhanced by 30% increasing the MTF level of BPL EVS Series detectors to the highest level.



ECONSOLE1

Image Processing Engine

TRUVIEW® ART, a proprietary algorithm feature of ECONSOLE1, re-engineered the performance of BPL EVS Series detectors. The MTF of BPL EVS Series is improved by 30% by TRUVIEW® ART's Image reconstruction technology in conjunction with EVS detector's characteristics of direct deposition CsI and low noise electronic design. With this software, the image quality of EVS detectors is significantly improved than conventional indirect type detectors.

ECONSOLE1
X-ray Acquisition Software

ECali1
Image Calibration Software

TRUVIEW® ART
Advanced Reconstruction

ETune1
Parameter Tuning Software

Excellent Post-Processing Image Quality

Optimized algorithms and parameters for each body part. Adaptive noise reduction to minimize image signal loss.
Image detail enhancement by multi-frequency image processing.

User Experience Design

Smart workflow minimizing the need for page switch and mouse click.
Editable tool bar and dual monitor support.
Easy to use stitching (up to 5 images).

Image Parameter Tuning Wizard

User can select from 9 image styles processed using dierent parameters on a 3x3 matrix display.

Tablet, Smart Phone Supports

Supports viewing of crystal clear digital images on display devices with WiFi communication such as Smart Phones and Tablets.