



Axis WDR4 Wireless DR System

Making the Digital Transition Look Easy

Moving to DR is fast and easy – with the world's first wireless, cassette-sized detector.



Capture digital radiography images using your conventional x-ray equipment and procedures. Converting to DR workflow and productivity is fast, easy, and cost-effective with the AXIS™ WIRELESS DR SYSTEM. This innovative system features the world's first wireless cassette-sized DR

detector, which simply slides into your table or wall-stand Bucky, or can be used for tabletop projections, just like a conventional cassette.

The same size as a conventional 35 x 43 cm x-ray cassette, the wireless Axis WDR system detector makes it easy to use your conventional x-ray equipment for digital radiography imaging



After exposure, this 35 x 43 cm detector can wirelessly transmit digital images to the system's capture console for immediate viewing and manipulation. From the console, images can be quickly forwarded to a printer, PACS, archive, and other network destinations. The detector's light weight (8.5 lbs/3.9 kg) and wireless operation provide convenient handling – and unprecedented DR positioning flexibility.

Suitable for many general projection radiography imaging applications, the AXIS WDR SYSTEM is designed to be compatible with x-ray systems that use ISO4090-compliant 35 x 43 cm x-ray cassettes. There is no need to modify your generator or Bucky, discard your wall stand or table, replace grids, or radically alter procedures. The Axis WDR system can be installed in your exam room in just one day.

Axis: the power of digital radiography converges with your cost-effective traditional system

Quick, easy transition

- Minimize disruption and downtime with one-day installation.
- Compared to DR room replacements, the Axis requires substantially less staff training time by building on user familiarity with existing equipment.
- The system's compact modular capture console is used alongside your generator console.

Cost-effective solution

- Minimize your investment and maximize your efficiency cost-effectively.
- Extend the life of your conventional x-ray equipment by using it for DR image capture—the cassette-sized Axis WDR system detector makes it easy.
- Realize all the cost savings of this complete DR system.

Better workflow and productivity

- Images are immediately available at the system's capture console, and can be quickly forwarded to multiple network destinations.
- Instant image availability can reduce exam time and recalls, improve patient satisfaction, and provide quick answers in the ER or trauma department.
- The wireless battery-powered detector provides the cordless positioning freedom of a conventional cassette.
- An optional wall-mounted holder conveniently stores the cassette when not in use.

Broad versatility

- The Axis WDR system is suitable for many types of general radiography imaging exams.
- Conventional and CR cassettes can still be exposed in your Bucky or used for tabletop projections.

- This system can also be installed as an additional unit in a DR exam room.
- The capture console supports up to three detectors.
- An optional power/communications tether for the detector enables wired communication with the console, and trickle charging of the on-board battery when the detector is used in a Bucky.
- This system is part of a broad family of compatible DR and CR systems, laser imagers, PACS, archive options, workstations, and other imaging-chain solutions from TI-BA Enterprises.

Fewer Mouse Clicks

- PACS Pro Image Acquisition software provides users with an intuitive, easy-to-learn interface.
- Auto-Recognition Image Processing eliminates the need for users to specify which anatomy is being processed.

Easy interfacing with your x-ray generator

The Axis WDR system can synchronize with your x-ray generator for exposure control non-invasively:

- The generator's hand-held exposure control is connected to the Axis system interface, which in turn is connected to the generator. The Axis system interface then assures that the Axis system is ready at the time of exposure.
- For generators with console mounted exposure control, a special button is used to manage the exposure, allowing the Axis system to synchronize with the exposure sequence.
- Open architecture allows the Axis WDR System to interface with any generator without incurring additional costs.



Axis WDR System Specifications

Wireless cassette-sized Cesium Iodide (CsI) Digital Radiography Detector

- Wireless standard 802.11 n
- Weight: 8.5 lbs (3.9 kg)
- Maximum external dimensions: 35x43 cm (same as standard cassette)
- 19" Touch-screen LCD for user interface
- Power: On-board rechargeable battery
- CsI Detector provides improved image quality at reduced patient dose
- Captures up to 90 images on a single charge

Exposure Modes:

- Normal - Integration time of 1.1 seconds
- Long - Integration time of 1.1 to 3.3 seconds
- Rapid - Allows for multiple exposures in a capture

Detector Orientation: Reports the detector's orientation and which side is facing u

Detector Sleep Mode: Extends battery life

Battery Charging Station:

- Accommodates up to three batteries for recharging (system includes two batteries)
- Power: 90–264 V, 50–60 Hz, 75 W max
Optional power/communications tether
- Connects detector to the capture console for wired image transmission, or to the battery charger for trickle charging when the detector is used in a Bucky.

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