

## DR bucky - the „flat panel integrators“

### Product description

DR buckys are different flat panel fixtures with grid exchange entities for integration of DR flat panel detectors of various manufactures, among them OR's Medici DR system product line.

The diverse DR bucky models are supporting different grid functionalities through:

- Detector Loader (DL) for application in mobile X-ray tables
- Detector Grid Entities (DE) as static grid version
- Detector Buckys (DB) as movable grid version

### Product features

As a special feature of the Detector Grid Entities and the Detector Buckys their standard bucky housing dimensions need to be outlined. Due to that attribute, simple retrofitting of conventional X-ray workplaces into a digital direct radiography (DR) system becomes possible.

Both the Detector Grid Entities and the Detector Buckys are equally outstanding due to a possible integration into the X-ray table (horizontal integration) and the opportunity to be integrated into the wall stand (vertical integration) in quite an easy way.

The DR bucky product line enables flexible operation of DR flatpanel systems for landscape and portrait exposures (depending on model and requirements by means of a platform rotation). Due to that functionality an optimum benefit of the DR flat panel use is achieved and a wide range of radiographic application can be supported.



# DR bucky - flat panel fixtures

## Flat panel integrators



Detector bucky including cover installed in wall stand



The Detector Loader integrated in a mobile table



Depending on version with fixed grid or motorized grid (grid itself not included in standard delivery)



DR buckys: The fitting bucky for each flat panel

## Product application

DR flat panel version	Detector Loader	Detector Grid Entity	Detector Grid Entity	Detector Bucky 1	Detector Bucky
Order No.	BU-DL1	BU-DE1	BU-DE2	BU-DB1	BU-DB2
Trixell Pixium 3543pR WiFi	x	x	-	-	-
Varian PaxScan 4343R	-	-	x	x	-
Vatech Xmaru1717	-	-	x	-	-
Toshiba E9530	-	-	x	-	-
DR Tech FLAATZ 750	-	-	x	-	-
Trixell Pixium 4600	-	-	x	-	-
Varian PaxScan 4336R	-	-	-	-	x

Further applications available on request, DR bucky versions are permanently updated to fit currently prevalent DR flat panel models.

**Technical data:** Detailed technical data including dimensions as per respective product data sheet.

# DR bucky - flat panel fixtures

## DR bucky versions



Product specification	Detector Loader BU-DL1	Detector Grid Entity BU-DE1	Detector Grid Entity BU-DE2	Detector Bucky BU-DB1	Detector Bucky BU-DB2
Standard bucky housing dimensions (585 x 572 x 69mm)	no 612 x 552 x 140 mm	yes 585 x 572 x 69 mm	yes 585 x 572 x 69 mm	yes 585 x 572 x 69 mm	yes 585 x 572 x 69 mm
Table integration	x	x	x	x	x
Wall stand integration	-	x	x	x	x
Motorized grid drive	-	-	-	x	x
Power supply	-	-	-	24V, 115/230 V	24V, 115/230 V
Grid frame for standard grid size (480 x 438 mm)	no - special exchangeable grid frame	yes - exchangeable, fixed grid	yes - exchangeable, fixed grid	yes - exchangeable, motorized grid drive	yes - exchangeable, motorized grid drive
Grid insertion direction	plugged on top of flat panel	left or right hand	left or right hand	left hand	left hand
max. AEC chamber thickness of 6,5mm	-	x	x	x	x
Detector rotation for portrait and landscape	manually with platform rotation	manually with platform rotation, decentralized for wall stand use	not applicable (full-size flat panel 43 x 43 cm)	not applicable (full-size flat panel 43 x 43 cm)	manual positioning
Grid sense switches	-	2	2	2	2
Detector position switches	-	portrait and landscape	-	-	-

## Product benefits in brief

- Housing dimensions of detector Grid Entities and Detector Bucky corresponding to prevalent models of conventional cassette systems, therefore maximum compatibility with various X-ray tables and extraordinary simple retrofitting
- Grid exchange or exposure without grid possible (depending on bucky model)
- Existing grids and AEC chambers might be continued to use (to be checked on an individual basis) with the DR buckys for optimal cost effectiveness

### Specifications subject to revision without notice

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