



MAIN FEATURES

High accuracy and safety

- Patient verification with (sub)-millimeter precision.
- Real-time (intrafraction) monitoring during entire treatment.
- Clinical audio alarm when difference in color coded image exceeds predefined threshold.
- Patient position is continuously monitored during entire treatment.
- Improved patient setup.

Increased efficiency

- Reduces overall treatment times.
- Patient setup verification software specially designed for TBI workflow.
- Dicom RT support to import treatment plan information to use as reference.
- Large TBI imaging area of 75x46 cm.
- Mobile unit can be easily used in different treatment rooms.

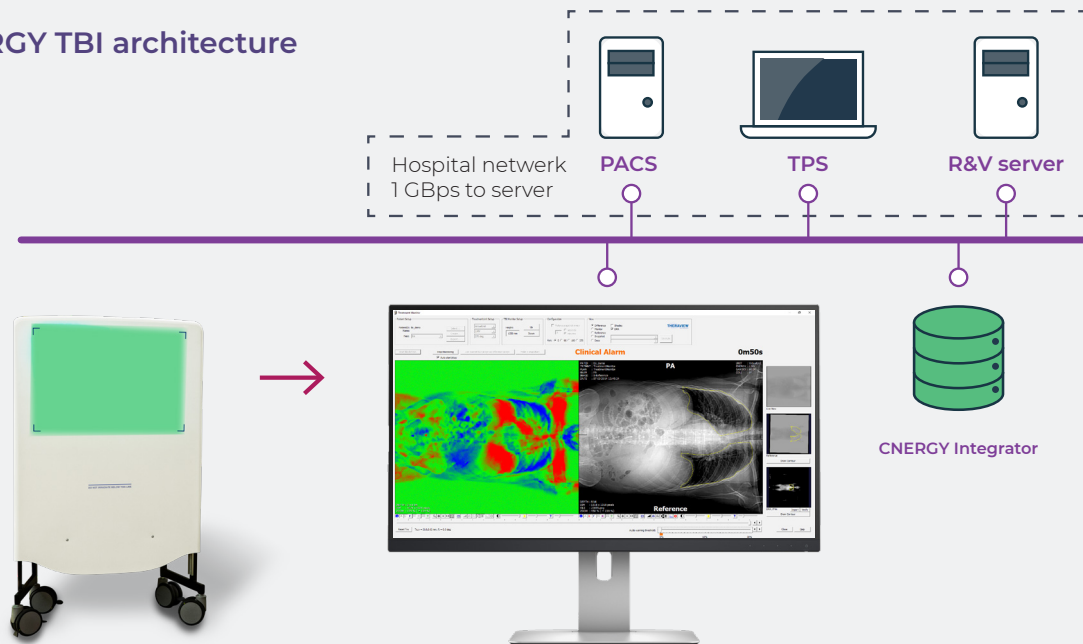
CENERGY TBI is available in 2 options

- CENERGY TBI
- CENERGY Stand alone

Regulations

- Theraview TBI Software (Medical Device, class IIb)
- TBI detector (Accessory, class IIa)
- FDA (510k)

CENERGY TBI architecture



TECHNICAL DETAILS

FEATURES	TBI	Stand alone
Verification with sub-millimeter precision	Yes	Yes
Real-time (intrafraction) monitoring during entire treatment	Yes	Yes
Improved patient setup	Yes	Yes
Patient setup verification software specially designed for TBI workflow	Yes	Yes
Lateral recumbent or supine position, gantry angle at 90 or 270 deg	Yes	Yes
Height of the TBI imager can be easily adjusted	Yes	Yes
Dicom RT support to import treatment plan information to use as reference	Yes	No
Patient position is continuously monitored during entire treatment	Yes	Yes, manually
Clinical audio alarm when difference in color coded image exceeds predefined threshold	Yes, automatically	No
Mobile unit can be easily used in different treatment rooms and different type of linacs	Yes	No
Dicom Export (PACS, ARIA, MOSAIQ)	Yes	No
Automatic patient selection (following R&V)	Yes	No
Central database	Yes	No
Backup patient database & images	Yes	No manually
Automatic snapshot image storage (between 1 sec and minutes)	Yes	No, manually

SPECIFICATIONS TBI & STAND ALONE
Large TBI imaging area 75 x 46 cm
Dimensions (Width x Depth) 88 x 37cm
Adjustable Height (min-max): Top imager: 143-187 cm Image center: 114-158 cm
CQD cooled camera, 1376 x 1024 pixels resolution (14 bit/ pixel)
Optical fiber cabling
Live video during treatment (0,75 frame/sec)

IMAGING TOOLS
Image difference tools (color)
Multiple image filters
Auto window level/ width
Brightness, contrast & gamma adjustment
Histogram equalization
Image grey level analysis
Multiple distance measurements tool
Image zooming & panning
Advanced processing
Analysis tools

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