

X-RAY IMAGING

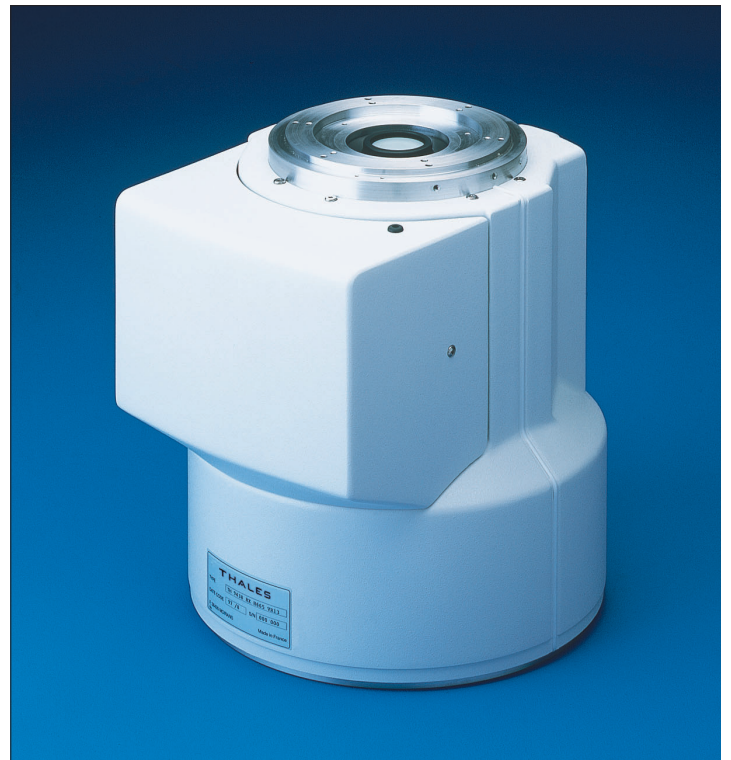
**R&F MOBILE
CARDIO-ANGIO-URO
SPECIAL PROCEDURES**

TH 9429 HP2

X-Ray image intensifier

9" - 23 cm

- Single field
- High DQE / high resolution
- High conversion factor



THALES

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The TH 9429 HP2 is a single field, 9-inch X-Ray Image Intensifier (XRII) featuring the best proven and reliable high technology:

- advanced input screen, for high DQE, high resolution and lower X-ray exposure,
- ultra compact output phosphor screen, for unrivaled resolution, low structural noise, and a high conversion factor.

The TH 9429 HP2 sets the standard in image quality, with a design featuring:

- lower distortion,

- pulse operation capability,
- wide dynamic operating range.

Various housings, mountings and paintings are also available on option. The power supplies are microprocessor-controlled and comply with EMC standards. They also feature blanking capability on option.

This product is designed, developed and manufactured at an ISO 9001 and EN 46001 registered production site.

Typical electro-optical characteristics (1)

Nominal entrance field size	23	cm
Output-image diameter	20	mm
Output-window thickness	3.6	mm
Input phosphor: Hi-Res CsI layer		
Output phosphor P20 Wavelength	520 - 540	nm
Useful entrance field size	215	mm
DQE at 59.5 keV (IEC standard)	65	%
Conversion factor	240	cd.m ⁻² /mR.s ⁻¹
Limiting resolution:		
• center	48	lp/cm
• 70% radius	44	lp/cm
• 93% radius	42	lp/cm
Contrast ratio:		
• large area (10%)	23:1	
• small detail (10 mm)	16:1	
Brightness non-uniformity	20	%
Distortion:		
• Integral	4	%
• Differential (at 90% radius)	15	%

Mechanical characteristics (depending on housing)

Overall length	338-341	mm
Largest diameter	285-310	mm
Weight	9-20	kg

(1) According to IEC standards 1262-1 to 1262-7.



This document cannot be considered to be a contractual specification. The information given herein may be modified without notice due to product improvement or further development. Consult Thales Electron Devices before making use of this information for equipment design.

For further information, please contact:

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