

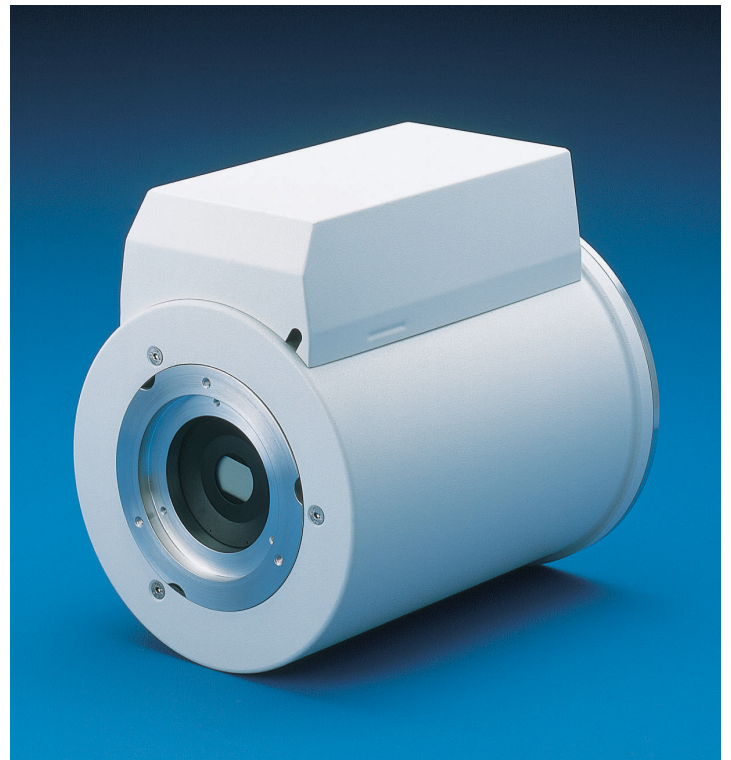
X-RAY IMAGING
MOBILE / MINI C-ARM
R & F

TH 9466 HP

X-ray image intensifier

6" – 15 cm
Conversion factor 250 cd.m⁻²/mR.s⁻¹

- Single field
- High resolution and DQE
- High contrast



THALES



TH 9466 HP

The TH 9466 HP is a single field, 6-inch X-Ray Image Intensifier (XRII) with outstanding performance at a competitive price.

It features the latest developments in image intensifier technology:

- advanced CsI input screen, for high DQE, high resolution and lower X-ray exposure,
- ultra-compact P 20 phosphor output screen, for unrivaled resolution, low structural noise,

and high conversion factor. The output screen is directly deposited on the output window for a better contrast.

Various housings, mountings and paintings are also available on option. This tube is designed to operate with the TH 7193 high voltage power supply which complies with EMC standard.

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	15	cm
Output-image diameter	15	mm
Output-window thickness	3.6	mm
Useful entrance field size	145	mm
DQE at 59.5 keV	65	%
Conversion factor	250	cd.m ⁻² /mR.s ⁻¹
	30	cd.m ⁻² /μGy.s ⁻¹
Limiting resolution:		
• center	48	lp/cm
• 93% radius	44	lp/cm
Contrast ratio:		
• large area (10%)	23:1	
• small detail (10 mm)	17:1	
Brightness non-uniformity	20	%
Distortion:		
• integral	3	%
• differential (at 90% radius)	10	%

Mechanical characteristics (depending on housing)

Overall length	261 - 266	mm
Largest diameter	184 - 212	mm
Weight	5 - 10	kg

(1) According to IEC standards 1262-1 to 1262-6.



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:

THALES ELECTRON DEVICES

2 bis, rue Latécoère - 78941 Vélizy Cedex - France
 Tel: + 33 1 30 70 35 00 - Fax: + 33 1 30 70 35 35
www.thalesgroup.com/electronddevices