

TH 9464 VHR

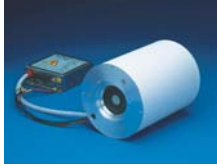
X-Ray image intensifier

6" – 15 cm
Very High Resolution: 95 lp/cm

- Compact design
- Two fields, 6" and 4" Electronic zoom®
- High DQE



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TH 9464 VHR and power supply

The TH 9464 VHR is a dual-field 6"/4" X-Ray Image Intensifier featuring a compact design and electronic zoom. This new XRII offers outstanding performance at a competitive price. The TH 9464 VHR incorporates the latest image intensifier technology:

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

Various housings, mountings and paintings are also available on option. This tube is designed to operate with the microprocessor-controlled TH 7195-2 high voltage power supply, which is fully EMC compliant.

This product is designed, developed and manufactured at an ISO 9001 : V 2000, ISO 14001 and EN 46001 registered production site.

Electro-optical characteristics (1)

Nominal entrance field size	15	cm
Output image diameter	20	mm
Operating mode:	Normal	Zoom
Useful entrance field size	145	105 mm
DQE at 59.5 keV	65	65 %
Conversion factor	155	80 cd.m ⁻² /mR.s ⁻¹
	18	9 cd.m ⁻² /μGy.s ⁻¹
Limiting resolution (normal mode)		
• center	80	95 lp/cm
• 93% ratio	60	75 lp/cm
Contrast ratio:		
• large area (10%)	30:1	%
• small area (10 mm)	20:1	%
Brightness non-uniformity	20	%
Distorsion:		
• integral	3	%
• differential (at 90% radius)	10	%

Mechanical characteristics (depending on housing)

Overall length	261 - 266	mm
Largest diameter	184 - 212	mm
Weight	6 - 11	kg

(1): 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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