

Video output

9" - 23 cm

- X-Ray image intensifier coupled with CCD camera
- Fully integrated assembly
- Preset for final operating conditions





TH 59429

The TH 59429 features an advanced design, combining an X-Ray image intensifier with a CCD camera in a single unit.

The performance of the TH 9429 HP2 X-Ray image intensifier, coupled with a specially designed CCD camera, provides high quality video output in a compact unit.

The digital memory substantially reduces incoming X-ray noise and enables the last image hold function.

The TH 59429 is delivered in a painted housing including magnetic and lead shielding suitable for front or lateral attachment.

Two video standard options are available.

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

Electro-optical features

CCD chip : 1/2", antiblooming

- CCIR, 752 x 582 pixels
- EIA / RS170, 768 x 494 pixels

CCD camera :

- Video gain control - AGC, fixed, remote
- Gamma correction (1 or 0.6)
- Circular blanking
- Shading correction

Digital memory :

- Last image hold
- Adjustable recursive filter
- Horizontal and vertical image reversal

Adjustable iris

Automatic brightness control (ABC) for the X-Ray generator

Electro-optical characteristics

Nominal entrance field size	23	cm
Useful entrance field size	215	mm
Limiting center resolution	16	lp/cm
Dynamic range (with AGC and ABC)	0.5 - 30	µR/image

Mechanical characteristics

Overall length	485	mm
Max. diameter	300	mm
Weight	22	kg

Electrical characteristics

Input voltage	24	Vdc
Power	20	W



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