



01 / CAPABILITY OVERVIEW

HD 1400 E10

HD 1400 E10 25 mm image intensifier assembly



FIG 01 PRODUCT CONFIGURATION

0.96 to 1.04

MAGNIFICATION

32 lp/mm

LIMITING RESOLUTION

**25 mm image
intensifier assembly**

TYPE

XX2500

EQUIVALENT LABEL

01.1 / OVERVIEW

25 mm image intensifier assembly variant with aluminized phosphor screen, external gain control circuit, ABC and bright source protection.

TYPE

Image intensifier

PROCUREMENT AND COMPLIANCE

Supply is exclusively for government and institutional end-users. Availability is subject to destination screening, a state-issued export licence and a verified End-User Certificate.



02 / TECHNICAL SPECIFICATION

TECHNICAL DATA

HD 1400 E10 / TECHNICAL EQUIPMENT

PERFORMANCE

Cathode sensitivity	300 uA/lm at 2856 K
Radiant sensitivity	20 mA/W at 800 nm; 15 mA/W at 850 nm
Magnification	0.96 to 1.04
Limiting resolution	32 lp/mm

INTERFACES AND OPERATION

Supply current	32 mA
----------------	-------

PHYSICAL DATA

Photocathode diameter	25 mm
-----------------------	-------

ADDITIONAL TECHNICAL DATA

Type	25 mm image intensifier assembly
Equivalent label	XX2500
Signal-to-noise ratio	3.2
EBI	0.20 ulux
Luminous gain	9600 to 23000 cd/m ² /lux at 2x10 ⁻⁵ lux
Output uniformity	2 : 1
MTF	90% at 2.5 lp/mm; 60% at 7.5 lp/mm; 25% at 15 lp/mm
MTTF	2500 hours