



01 / CAPABILITY OVERVIEW

HD 1430

HD 1430 40 mm single stage image intensifier



FIG 01 PRODUCT CONFIGURATION

0.94 to 1.00

MAGNIFICATION

64/57 lp/mm

LIMITING RESOLUTION

**Single stage, electrostatic
focusing, 40 mm useful
diameter**

TYPE

**AN/VSG-2 system
in tanks**

APPLICATION

01.1 / OVERVIEW

Single stage electrostatically focused image intensifier with 40 mm useful diameter for the AN/VSG-2 tank system, powered from an external high voltage supply.

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.



TECHNICAL DATA

HD 1430 / TECHNICAL EQUIPMENT

PERFORMANCE

Cathode sensitivity	250 uA/lm at 2856 K
Radiant sensitivity	15 mA/W at 800 nm; 10 mA/W at 850 nm; 20 mA/W at 660 nm
Limiting resolution	64/57 lp/mm
Magnification	0.94 to 1.00

INTERFACES AND OPERATION

Operating voltage	8 to 16 kV
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PHYSICAL DATA

Photocathode diameter	40 mm
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ADDITIONAL TECHNICAL DATA

Type	Single stage, electrostatic focusing, 40 mm useful diameter
Application	AN/VSG-2 system in tanks
EBI	0.20 ulux
Luminous gain	100 cd/m2/lux at 3-5x10-2 lux
Output uniformity	2 : 1
MTF	93% at 5 lp/mm
Distortion	7%
MTTF	4000 hours