



01 / CAPABILITY OVERVIEW

HD 2102

HD 2102 18 mm Gen II+ image intensifier tube



FIG 01 PRODUCT CONFIGURATION

57 lp/mm

LIMITING RESOLUTION

**18 mm,
non-inverting, Gen II+**

TYPE

XX2555P

EQUIVALENT LABEL

**600 uA/lm at 2856
K**

CATHODE SENSITIVITY

01.1 / OVERVIEW

18 mm non-inverting Gen II+ image intensifier tube with S25 extended red photocathode, MCP amplifier and fibre optic phosphor screen.

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 2102 / TECHNICAL EQUIPMENT

PERFORMANCE

Cathode sensitivity	600 uA/lm at 2856 K
Radiant sensitivity	45 mA/W at 830 nm
Limiting resolution	57 lp/mm

INTERFACES AND OPERATION

Supply current	20 mA
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PHYSICAL DATA

Photocathode diameter	17.5 mm
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ADDITIONAL TECHNICAL DATA

Type	18 mm, non-inverting, Gen II+
Equivalent label	XX2555P
Signal-to-noise ratio	18
EBI	0.25×10^{-11} lm/cm ²
Luminous gain	11000 to 23000 fl/fc at 2×10^{-6} fcd
Output uniformity	3 : 1 at 2856 K
MTF	92% at 2.5 lp/mm; 80% at 7.5 lp/mm; 55% at 15 lp/mm
MTTF	7500 hours