

AO-22525R/H

Image Intensifier Tube by Alpha Optics



The Alpha Optics AO-22525R/H 25 mm Gen 2+ image intensifier with S-20 photocathode with an extended red response is available with fiber optics input and output windows. It's a direct replacement for MX9644 and XX2052 models. The tube comprises a special fiber optic faceplate, microchannel plate (MCP) current amplifier, and phosphor screen. Incorporated electronics includes an

advanced automatic brightness control, and manual adjustment to a desired brightness level. Power supply has a built-in photocathode protection against high light level exposure.

Specifications:

Resolution, lp/mm	32 lp/mm minimum
Gain	50,000 minimum
EBI	2×10^{-11} lm/cm ² , max
Useful diameter of photocathode	25 mm minimum
Photocathode	S20
Luminous sensitivity	300 μ A/lm, minimum
Signal to noise	3.2 minimum
Supply current	32 mA max
Diameter	63 mm
Length	75.6 mm
Weight	350 g max

Maximum allowable spots in each zone

Spot size, μ	Zone I	Zone II	Zone III
381-500	0	0	0
301-380	0	1	2
231-300	0	3	6
150-230	1	6	10
70-150	1	15	20