EXOSENS Image Intensifier Tube

(Commercial Grade)



The Exosens Commercial Grade Image intensifier tubes are ideal for those who want quality night vision at a reasonable price. The Commercial image intensifier tubes serve many night vision applications and make them perfect for sport shooters, hunters, airsoft practitioners, and night vision enthusiasts.

The image intensifier assembly features an 18 mm microchannel wafer with a minimum useful photocathode and phosphor screen diameter of 17 mm. The assembly employs an S-25 photocathode and a microchannel electron multiplier plate with proximity focusing on both the input and output. Additionally, the assembly includes a high-voltage multiplier and oscillator, encapsulated within a hard-surface insulating sleeve or boot, and housed in a hard plastic casing.

Specifications:

Resolution, lp/mm	60 lp/mm minimum
Gain at 2.10-5lx	7000 Cd/m^2/lx min
EBI	0.2 µlx max
Maximum Output Brightness	5.5 Cd/m^2 min
Useful diameter of photocathode	17 mm minimum
Photocathode	S25
Luminous sensitivity at 2850K	300 µA/lm, minimum
Radiant sensitivity at 830 nm	20 mA/W min
Signal to noise ratio	15 minimum
Phosphor	P43
Input window	Glass (AVG)
Output window	Inverting fibre-optic

Maximum allowable spots in each zone

Spot size, µ	Ø5.6 mm	Ø5.6-14.7 mm	Ø14.7-17.5 mm
>381	0	0	0
301-380	0	1	1
226-300	0	1	2
151-225	1	2	4
75-150	3	7	12

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