



Image Intensifier Tube Specification			
Item	Gen2+ Image Intensifier Tube		Real Gen3 Image Intensifier Tube
Resolution	51-60 lp/mm	60-64	60-74 lp/mm
Signal to Noise Ratio	20	23	31.66
Sensitivity	650 $\mu\text{A/lm}$	700	1816 $\mu\text{A/lm}$
Quality Factor(FOM)	1000	1600	1900
Operating Voltage	2.3-3.4V	2.2-3.4V	2.5~3.5 V
Working Current	25 mA		28 mA
Brightness Gain	8000-12000 $\text{cd/m}^2/\text{lx}$		12045 (@x 10-5 lx) $\text{cd/m}^2/\text{lx}$
Maximum Output Brightness	4-8 cd/m^2		7.4 cd/m^2
Equivalent Background Illumination	0.25 μlx		1.4*10-7 μlx
Brightness Uniformity	3:1 < (Unknown) id =0 class=font0>		1.23 (@2856K) < (Unknown) id =0 class=font0>
Cathode Effective Diameter	17.5 mm		17.8 mm
Phosphor	P43/P45	P22/P43/P45	P43/P45
Weight	85 g		72.8 g
Dimensions	See the designnon-automatic gate		See the design
Small High Voltage Power Supply	Non-automatic gate (Automatic gate is optional)		Automatic Gate

PRODUCT OVERVIEW(Gen 2+ Gen3)

Generation 2+ (Gen 2+) low light image intensifier tubes offer multiple advantages over previous generations of night vision technology. It is high clarity with white imaging and green imaging.

Generation 3 (Gen 3) low light image intensifier tubes offer multiple advantages over previous generations of night vision technology. It is very high definition with It has white phosphorus tubes and green phosphorus tubes

MAIN FEATURES(Gen 2+/Gen3)

- 1.Improved sensitivity: Gen 2+ tubes are more sensitive to low levels of light than previous predecessors, allowing for better performance in extreme low-light conditions.
- 2.Higher resolution: Gen 2+ tubes typically have higher resolution than Gen 2 tubes, resulting in a sharper and clearer image.
- 3.Longer lifespan: The cathode material used in Gen 3 tubes is more durable and lasts longer than the material used in Gen 2 tubes, resulting in a longer service life.

- 1.Improved sensitivity: Gen 3 tubes are more sensitive to low levels of light than previous predecessors, allowing for better performance in extreme low-light conditions.
- 2.Improved reliability: Gen 3 tubes are more reliable than previous generations, with fewer breakdowns
- 3.Reduced noise: Gen 3 tubes have lower levels of noise than previous generations, resulting in a clearer image with less interference.
- 4.Longer lifespan: The cathode material used in Gen 3 tubes is more durable and lasts longer than the material used in Gen 2 tubes, resulting in a longer service life.

