

PEAK TACTICAL INTENSIFIER TUBES

Generation3PLUS is now available for export as;

- ◆ Autogated and Non-Autogated tubes
- ◆ Inverting and non-inverting tubes for use in Goggles, Weapon Sights, Monoculars etc
- ◆ Supplied in both WHITE phosphor and GREEN Phosphor versions
- ◆ Can be supplied with variable GAIN control for specific tactical missions
- ◆ Bright Source Protection (BSP) built into integral power supplies
- ◆ Automatic Brightness Control (ABC)
- ◆ Supplied as both 18mm and 36mm intensifier tubes
- ◆ Can be produced to order in different light spectrums to emphasise certain tactical advantages
- ◆ Matched tubes for Aviation Goggles

Existing military and law enforcement end users report that compared to our competitor's products, our Gen3PLUS shows:

- ◆ Extremely good sensitivity in true low light conditions
- ◆ Superior ability to detect enemy counter measures- e.g. Active IR perimeter alarms

Note: Every Gen3PLUS we supply will meet or exceed minimum guaranteed specifications.

For instance many of our Gen3PLUS tubes have resolutions of 72+ lp/mm and remarkable sensitivity to produce a FOM of 2400+. If you specify a min FOM value we will deliver to this value.

PERFORMANCE	UNITS	MIN	MAX
Luminous Sensitivity at 2856°K	$\mu\text{A}/\text{lm}$	2000	2350+
Radiant Sensitivity at 830 nm	mA/W	210	300+
Signal-to-Noise Ratio		25	30+
EBI	$10^{-11}\text{lm}/\text{cm}^2$	1.0	2.5
Luminous Gain at $2 \times 10^{-6}\text{fcd}$	fl/fc	60,000	100,000
Output Uniformity at 2856°K			3:1
Limiting Resolution	lp/mm	67	72+
FOM		1900	2400+
MTF at 2.5 lp/mm	%	94	
7.5 lp/mm	%	85	
15.0 lp/mm	%	70	
Photocathode diameter	mm	17.5	
MTTF	hours	10,000	Up to 15,000 by contract
AUTOGATING	OPTION		
WHITE Phosphor tube (B&W Image)	OPTION		

Technical details subject to change without notice.

Picture Quality Table:

Maximum allowable spots in each Zone.

Spot Size (Microns)	I	II	III
401-500	0	0	0
301-400	0	0	0
251-300	0	0	0
151-250	0	1	2
75-150	1	2	3

Note: We also export Gen2 and Gen3 intensifier tubes rated FOM of 1650-1800+ with excellent low light sensitivity of >2,000 at 2856°K performance. Please contact us for more details

Peak Tactical Pty Ltd

Manufacturers of night vision, thermal, other specialised equipment and all tactical training. Please contact us at

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