

# IMAGE INTENSIFIER TUBE

# 4G+

**PHOTONIS**  
EXOSSENS GROUP

**PHOTONIS IS THE LEADER IN DESIGN AND MANUFACTURING OF STATE-OF-THE-ART IMAGE INTENSIFIER TUBES FOR MILITARY AND COMMERCIAL APPLICATIONS**

The 4G+ image intensifier tubes meet the stringent requirements of modern warfare at night to deliver end-users a very high performance in all field conditions.

The 4G+ technology offers extended bandwidth for high image quality on all theatres of operation, a very fast auto-gating and a small halo providing more details around light sources. Thanks to a very high Figure Of Merit (FOM) and extended sensitivity, operators benefit from the best possible range in all types of environment.



**ENHANCED FOM  
2300 MIN**



**VERY FAST AUTO-GATING**



**EXTENDED SPECTRAL RANGE  
FROM 350nm TO 1100nm**



**IMPROVED DRI\*  
RANGE OVER 4G**

*\*Detection, Recognition, Identification*

## TECHNICAL SPECIFICATIONS

	MINIMUM	TYPICAL	MAXIMUM	UNIT
FOM (Figure Of Merit) - 18mm (P43)	2300	•	•	•
Signal-to-Noise Ratio	30	•	•	•
Limiting resolution	72	•	•	lp/mm

### FAST AUTO-GATING DATA

High Light Level resolution (200 lx)	55	•	•	lp/mm
Response time	•	0,2	0,4	s
Rise time Off-to-On	•	07	0,9	s
Input current	•	25	30	mA

### OTHER TECHNICAL DATA

Phosphor	P43 - green (also available in P45 - white)			
Operational life time	10.000	•	•	hours
Halo (with 0,35mm input spot)	•	0,85	•	mm
Gain at $2 \times 10^{-5}$ lx	10.000	•	20.000	cd/m <sup>2</sup> /lx
(Gain at $2 \times 10^{-6}$ fc)	(31.000)	•	(63.000)	fL/fc
Max. Output Brightness (MOB)	4	•	17	cd/m <sup>2</sup>
(Max. Output Brightness)	(1,2)	•	(4,9)	fL
Equivalent Brightness Illumination (E.B.I)	•	0,15	0,25	μlx
Weight (ANVIS)	•	70	75	g
Shock resistance	500	•	•	g's

Photonis, worldwide night vision expert for more than 85 years



ITAR FREE



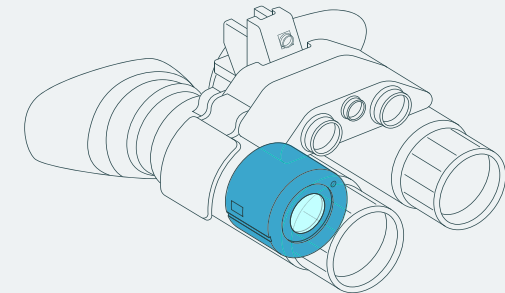
SELECTED BY TIER 1 SPECIAL FORCES



MADE IN EU



NV SALES REPRESENTATIVES ALL OVER THE WORLD



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REVEAL THE INVISIBLE