

# 5G

NIGHT VISION LIKE  
NEVER SEEN BEFORE

**PHOTONIS**  
EXOSENS GROUP

## 5G BUILT TO EXCEL IN ALL NIGHT CONDITIONS

Thanks to the technological advances made by Photonis over recent years, the 5G Image Intensifier Tube (IIT) is the ultimate cutting-edge technology on the night vision market.

The 5G is the highest-performing Photonis IIT delivering exceptional performance with the sharpest and most detailed image ever achieved.

Designed to meet the requirements of diverse operational environments, the 5G combines high gain performance with an ultra-long lifetime, ensuring minimal gain loss over time. With the 5G, end-users benefit from unparalleled performance, maximizing Detection, Recognition and Identification (DRI) ranges even in the darkest conditions.



**EXCEPTIONAL IMAGE SHARPNESS  
THANKS TO A FOM 2500 MIN**



**SUPERIOR BRIGHTNESS WITH +50% GAIN  
OVER STANDARD INTENSIFIERS**



**EXTENDED DRI\* RANGES BY UP TO +35%  
AT VARIOUS NIGHT LEVELS**

*\*Detection, Recognition, Identification*



# 5G NEXT-LEVEL PERFORMANCE FOR OUTSTANDING NIGHT VISION

## TECHNICAL SPECIFICATIONS

	MINIMUM	TYPICAL	MAXIMUM	UNIT
FOM (Figure Of Merit)	2500	2800	•	•
Signal-to-Noise Ratio	30	•	•	•
Limiting resolution	82	•	•	lp/mm

## FAST AUTO-GATING DATA

High Light Level resolution (200 lx)	62	64	•	lp/mm
Response time	•	0.2	0.4	s
Rise time Off-to-On	•	0.7	1	s
Input current	•	22	25	mA

## OTHER TECHNICAL DATA

Phosphor	P43 - green (also available in P45 - white)			
Operational life time	10.000	•	•	hours
Gain at $2 \times 10^{-5}$ lx (P43)	25.000	•	30.000	cd/m <sup>2</sup> /lx*
Gain at $2 \times 10^{-5}$ lx (P45)	15.000	•	25.000	cd/m <sup>2</sup> /lx*
Max. Output Brightness (MOB) (P43)	6.8	•	13.6	cd/m <sup>2</sup>
Max. Output Brightness (MOB) (P45)	4	•	8	cd/m <sup>2</sup>
Equivalent Brightness Illumination (E.B.I)	•	0.15	0.25	µlx

\*10.000 cd/m<sup>2</sup>/lx = 3.14 fL/fc

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## PHOTONIS WORLDWIDE NIGHT VISION EXPERT



STATE-OF-THE-ART



SUITED FOR SPECIAL FORCES



MADE IN EU - ITAR FREE

◆ ONE SOLDIER, ONE GOGGLE



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**EXOSENS**  
REVEAL THE INVISIBLE