

IMAGE INTENSIFIER TUBE

4G

PHOTONIS
EXOSENS GROUP



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

The 4G technology has become Photonis' high runner over the last 10 years and is today the benchmark in all major European Land Forces programs and around the world.

The 4G Image Intensifier Tube (IIT) is a more affordable version than 4G+ while maintaining a high level of performance. 4G IIT provides operators high image quality and long detection ranges in the most challenging light conditions: brightness of equipment, longevity of intensifier tubes, ability to see farther in increasingly low levels of darkness and very fast auto-gating.



**EXCELLENT FOM
1800 MIN**



FAST AUTO-GATING



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



AVAILABLE IN 16MM



TECHNICAL SPECIFICATIONS

	MINIMUM	TYPICAL	MAXIMUM	UNIT
FOM (Figure Of Merit) - 18mm (P43)	1800	•	•	•
Signal-to-Noise Ratio	28	•	•	•
Limiting resolution	64	•	•	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 2×10^{-5} lx	10.000	•	20.000	cd/m ² /lx
(Gain at 2×10^{-6} fc)	(31.000)	•	(63.000)	fL/fc
Max. Output Brightness (MOB)	4	•	17	cd/m ²
(Max. Output Brightness)	(1,2)	•	(4,9)	fL
Equivalent Brightness Illumination (E.B.I)	•	0,15	0,25	μlx
Weight (18mm ANVIS)	•	70	75	g
Weight (16mm)	•	45	50	g
Shock resistance	500	•	•	g's

Photonis, worldwide night vision expert for more than 85 years



ITAR FREE



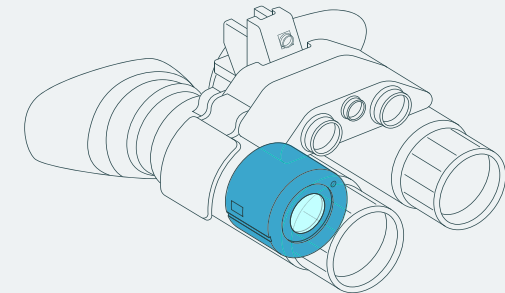
SELECTED BY EUROPEAN MOD'S FOR ALL MAJOR LAND FORCES PROGRAMS



MADE IN EU



NV SALES REPRESENTATIVES ALL OVER THE WORLD



nightvision@exosens.com



exosens.com

EXOSENS
REVEAL THE INVISIBLE

© Photonis. The information furnished is believed to be accurate and reliable, but is not guaranteed and is subject to change without notice. No liability is assumed by Photonis nor by any Exosens Group companies. Performance data represents typical characteristics as individual product performance may vary. Customers should verify that they have the most current Photonis product information before placing orders. Texts and pictures may not be considered as contractually binding. This document may not be reproduced, in whole or in part, without the prior written consent of Photonis.