

BE THE FIRST TO SEE

Innovation in image
intensification technology
brought to the next level

**2300
FOM
MINIMUM**



4G+

Image Intensifier Tube

The 4G standard is the latest technology in intensified night vision. 4G+ technology is the next stage in innovating the 4G standard and is particularly suited to the very high demands of special forces. Thanks to a new micro-channel-plate (MCP) technology, resulting in a vastly improved contrast and MTF, the advanced 4G+ provides a strongly improved DRI* range for the highly demanding operator. Only 4G offers ultra-fast Auto-Gating, the smallest halo and unrivalled spectral range from ultraviolet to near infrared. Get the edge over adversaries in the darkest nights, in all conditions and operations. 4G+, the next stage in innovative image intensification technology.

*DRI = Detection, Recognition and Identification

Photonis: leader in design and manufacture of state-of-the-art image intensifier tubes for military applications.

- Vastly improved DRI* range
- Selected by Tier 1 Special Forces
- Smallest halo
- Ultra-Fast Auto-Gating
- Spectral range from 400nm to 1000nm
- Non-ITAR product
- NATO registered supplier



*DRI= Detection, Recognition and Identification

	Minimum	Typical	Maximum	Unit
FOM (Figure Of Merit)*	2300			
Signal-To-Noise Ratio	30	32		
Limiting resolution	72	76		lp/mm
High Light Level Resolution (200 lx)	55			lp/mm
Ultra Fast Auto-Gating Power Supply Unit				
Response time		0.1	0.2	s
Rise Time Off-to-On		0.5	0.6	s
Input current		25	30	mA
Other Technical Data				
Phosphor	P43 (also available in P45**)			
Operational life time	10.000			hours
Halo (with 0.35mm input spot)		0.75		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	4		17	cd/ m ²
(Max. Output Brightness)	(1,2)		(4,9)	fL
E.B.I.		0.15	0.25	μlx
Weight (18mm, anvis)		70	75	g
Shock resistance	500			g's

* Signal-To-Noise Ratio x Limiting resolution

** P45 is Onyx (white phosphor)

Photonis Netherlands B.V.

Dwaziewegen 2
9301 ZR Roden
The Netherlands
T +31 (0)505 01 88 08
F +31 (0)505 01 14 56
E nightvision@photonis.com
W www.photonis.com

NCAGE: H6523

Photonis France S.A.S.

Avenue Roger Roncier
19100 Brive La Gaillarde
France
T +33 (0)555 86 37 00
F +33 (0)555 86 37 74
E nightvision@photonis.com
W www.photonis.com

NCAGE: F2245

www.photonis.com

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