

16mm



Size and Weight matter

The new 16mm Image Intensifier Tube by PHOTONIS has been designed to meet the new SWaP requirements of the modern armies: reduced Size, Weight and minimum Power consumption, still with state-of-the-art performance.

The weight of the 16mm Image Intensifier Tube has been reduced by 35 grams compared to standard ANVIS 18mm tube while its volume size has been reduced by 40%.

The 16mm Image Intensifier Tube of PHOTONIS is available with an integrated Auto-Gated power supply. Auto-Gating constantly operates to improve the quality of the image. Not only during day-night-day transitions but also under dynamic lighting conditions, such as military operations in urban terrain which define many of today's missions.



Technical specifications

16mm

Resolution				
	Minimal	Typical	Maximum	Unit
Limiting resolution	60	70		lp/mm
MTF (Modulation Transfer Function)				
	Minimal	Typical	Maximum	Unit
2.5 lp/mm		92		%
7.5 lp/mm		80		%
15 lp/mm		58		%
25 lp/mm		45		%
30 lp/mm		35		%
Signal to Noise Ratio				
	Minimal	Typical	Maximum	Unit
Signal to noise (@108µlx)	19	25		
Auto-Gating Power Supply Unit				
	Minimal	Typical	Maximum	Unit
Luminance dynamic range	1.10 ⁻⁶		5x10 ³	Lux
Input voltage	2	2.7	3.5	Volt
Input current			35	mA
Other Technical Data				
	Minimal	Typical	Maximum	Unit
MTTF	10.000			Hrs
Gain at 2.10 ⁻⁵ lx	7.000		15.000	cd/m ² /lx
Max. Output Brightness	3		12	cd/m ²
E.B.I.			0.25	µlx
Luminous sensitivity at 2850K	550	750		µA/lm
Radiant sensitivity at 830nm	40	65		mA/W
Output uniformity at 2850K			3:1	
Weight		45	52	grams
Shock resistance	500			g's

PHOTONIS

NIGHT VISION

For more information, please visit www.photonis.com

PHOTONIS Netherlands B.V.

Dwazziewegen 2
9301 ZR Roden
The Netherlands

T +31 (0)505 01 88 08
F +31 (0)505 01 14 56

Email: nightvision@photonis.com

PHOTONIS France SAS

Avenue Roger Roncier
19100 Brive La Gaillarde
France

T +33 (0)555 86 37 00
F +33 (0)555 86 37 74

Email: nightvision@photonis.com