

PROVEN **PERFORMANCE BY NIGHT**

Photonis XD-4 image intensifiers
are build to provide quality
performing night vision in
different field conditions.



XD-4™ Image Intensifier Tube

With more than 500.000 image intensifier tubes sold, the Photonis XD-4 image intensifier tube is a proven performer. The XD-4 is found globally in operations. With a good signal-to-noise ratio (SNR), a high figure of merit (FOM) and small halo, the XD-4 is the image intensifier tube that allows users to win through the night by providing quality performance at a competitive price.

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

- More than 500.000 tubes sold
- Small halo
- Proven quality performance
- Non-ITAR product
- NATO registered supplier



	Minimum	Typical	Maximum	Unit
FOM (Figure Of Merit)*	1200	1400		
Signal-To-Noise Ratio	20	22		
Limiting resolution (at center)	60	64		lp/mm
High Light Level Resolution (200 lx)	50			lp/mm
Auto-Gated Power Supply Unit (optional)				
Response time		0.25	0.4	s
Rise Time Off-to-On		0.6	0.7	s
Input current		25	30	mA
Input current non auto-gated		20	26	mA
Other Technical Data				
Phosphor	P22 (also available in P43 and P45**)			
Operational life time	10.000			hours
Halo (with 0.35mm input spot)		0.8		mm
Gain at 2×10^{-5} lx	10.000		18.000	cd/m ² /lx
(Gain at 2×10^{-6} fc)	(31.416)		(56.550)	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 (ANVIS)		70	75	g
Shock resistance	500			g's

* Signal-To-Noise Ratio x Limiting resolution

** P45 is Onyx (white phosphor)

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