

PHOTONIS

NIGHT VISION

XD-4™



XD-4™ Image Intensifier



The introduction of the XD-4™ technology set the new European standard for low-light-level imaging. XD-4™ Image Intensifiers perform extremely well in all environmental conditions.

Its broad spectral sensitivity range results in a perfect picture.

New production technology resulted in improved performance of the Signal-to-Noise Ratio (SNR), the Modulation Transfer Function (MTF) and Resolution. Add to this features like the small halo and the extended lifetime and you will be convinced of its unique performance. The XD-4™ is also available with an autogating power supply unit.

Technical specifications

Resolution				
	Minimal	Typical	Maximal	Unit
Limiting resolution	57	64		lp/mm
MTF (Modulation Transfer Function)				
	Minimal	Typical	Maximal	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				
	Minimal	Typical	Maximal	Unit
Signal to noise ratio (@ 108 µlx)	20	23		
Auto-Gating Power Supply Unit (optional)				
	Minimal	Typical	Maximal	Unit
Luminance Dynamic Range	1x10 ⁻⁶		5x10 ⁴ *	lux
Input Voltage	2	2,7	3,5	Volt
Input Current		16		mA
Other Technical Data				
	Minimal	Typical	Maximal	Unit
Phosphor: P22 (also available in P43)				
MTTF	10.000			hours
Halo		0.8		mm
Gain at 2x10 ⁻⁵ lx	30.000/π		55.000/π	cd/m ² /lx
Max. Output Brightness	2		17	cd/m ²
E.B.I.		0,15	0,25	µlx
Luminous sensitivity at 2850K	600	700		µA/lm
Radiant sensitivity at 830 nm	45	55		mA/W
Output uniformity 2850K		2:1	3:1	
Weight (18mm)		80	95	grams
Shock resistance	500			g

* When fitted with autogating

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For more information, please visit www.photonis.com

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