XD-4™

XD-4™
Technology Image Intensifiers

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

Its wide spectral sensitivity results in an eXtended Definition image.

We implemented new production technology that resulted in improved performance parameters such as higher Signal-to-Noise Ratio, Modulation Transfer Function and high resolution.

Add to this features like small halo and extended operational lifetime and you have the industries best value in image intensification.

PHOTONIS
NIGHT VISION

XD-4™

Technical specifications XD-4™ Technology Image Intensifiers

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 (@108µlx)	20	23		
Other Technical Data				
	Minimal	Typical	Maximal	UNIT
Phosphor: P22 (also available in P43)				
MTTF	15.000			hours
HALO		0.8		mm
Gain at 2.10^{-5} lx	30.000/π		55.000/π	cd/m²/lx
Max. Output Brightness	2		17	cd/m²
E.B.I.		0.15	0.25	µlx
Luminous sensitivity at 2850K	600	700		µA/lm
Radiant sensitivity at 800nm	50	60		mA/W
Radiant sensitivity at 850nm	40	50		mA/W
Output uniformity at 2850K		2:1	3:1	
Weight (18mm)		80	95	grams
Shock resistance	500			G
Autogating Power Supply Unit (OPTIONAL)				
	Minimal	Typical	Maximal	UNIT
Luminance Dynamic Range	1.10^{-6}		5.10^{3}	lux
Input Voltage	2		3.7	Volt
Input Current			35	mA

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The Netherlands: P.O. Box 60, 9300 AB Roden Phone +31 (0)50 501 8808 Fax +31 (0)50 501 1456
France : B.P. 520, 19106 Brive Cedex Phone +33 (0)555 863 700 Fax +33 (0)555 863 773
E-mail nightvision@photonis.com Internet www.photonis-nightvision.com

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