

# PHOTONIS

NIGHT VISION

# **XD-4™**

## XD-4™ Image Intensifier

The introduction of the XD-4™ technology sets 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 Auto-Gating power supply unit.



<b>Resolution</b>				
	Minimum	Typical	Maximum	Unit
Limiting resolution	57	64		lp/mm
High light level resolution (>200 lux)	20*			lp/mm
<b>MTF (Modulation Transfer Function)</b>				
	Minimum	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		%
<b>Signal-to-noise Ratio (SNR)</b>				
	Minimum	Typical	Maximum	Unit
Signal-to-noise Ratio (@ 108 µlx)	20	23		
<b>Auto-Gating Power Supply Unit (optional)</b>				
	Minimum	Typical	Maximum	Unit
Luminance dynamic range	$1 \times 10^{-6}$		$5 \times 10^4$ **	lux
Input voltage	2	2.7	3.5	Volt
Input current		16	26	mA
<b>Other Technical Data</b>				
	Minimum	Typical	Maximum	Unit
Phosphor	P22 (also available in P43)			
MTTF	10.000			hours
Halo		0.8		mm
Gain at $2 \times 10^{-5}$ lx	10.000		18.000	cd/m <sup>2</sup> /lx
Gain at $2 \times 10^{-6}$ fc	30.000		55.000	fL/fc
Max. Output Brightness	2		17	cd/m <sup>2</sup>
E.B.I.		0.15	0.25	µlx
Output uniformity 2850K		2:1	3:1	
Weight		80	95	grams
Shock resistance	500			g

\* With Auto-Gating 50 lp/mm

\*\* When fitted with Auto-Gating

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For more information, please visit [www.photonis.com](http://www.photonis.com)

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