

XR5™

AUTO-GATING



XR5™ Technology Autogated Image Intensifiers

The XR5™ Image Intensifier reveals more details of the night and offers eXtended Range capabilities.

We applied the latest technology to the XR5™, technology that enables the user to detect more details during a full 24-hour operation.

The prominent feature on the XR5™ is the integrated autogated power supply, facilitating true 24/7 operation.

Autogating 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 mission.

Our XR5™ Image Intensifier represents the new standard for night vision and is available in a variety of inverting and non-inverting 18mm formats (form - fit - function for existing and new optical systems).

PHOTONIS
NIGHT VISION



Technical specifications XR5™ Technology Image Intensifiers



Resolution				
	Minimal	Typical	Maximal	UNIT
Limiting resolution	64	72		lp/mm
MTF (Modulation Transfer Function)				
	Minimal	Typical	Maximal	UNIT
2.5 lp/mm		94		%
7.5 lp/mm		85		%
15 lp/mm		70		%
25 lp/mm		50		%
30 lp/mm		40		%
Signal to Noise				
	Minimal	Typical	Maximal	UNIT
Signal to noise (@108µlx)	25	28		
Autogating Power Supply Unit				
	Minimal	Typical	Maximal	UNIT
Luminance Dynamic Range	1.10 ⁻⁶		5.10 ³	lux
Input Voltage	2		3.7	Volt
Input Current			35	mA
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/m ² /lx
Max. Output Brightness	2		17	cd/m ²
E.B.I.		0.15	0.25	µlx
Luminous sensitivity at 2850K	700	800		µA/lm
Radiant sensitivity at 800nm	65	78		mA/W
Radiant sensitivity at 850nm	50	65		mA/W
Output uniformity at 2850K		1.8:1	3:1	
Weight (18mm)		80	95	grams
Shock resistance	500			G

PHOTONIS
NIGHTVISION

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