



XR5™ Technology Autogated Image

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 auto-gated 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 18 mm formats (form - fit - function) for existing and new optical systems.

Resolution	Minimal	Typical		UNIT
Limiting resolution	64	72		lp/mm
MTF (Modulation Transfer Function)	Minimal	Typical		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 Ratio	Minimal	Typical		UNIT
Signal to noise (@108µlx)	25	28		
Autogating Power Supply Unit	Minimal	Typical		UNIT
Input voltage	2		3.7	Volt
Input current			35	mA
Luminance dynamic range	1.10 ⁻⁶		5.10 ³	lux
Other Technical Data	Minimal	Typical		UNIT
Phosphor: P20 (also available in P22 and P43)				
MTTF	15.000			Hrs
HALO		0.8		mm
Gain at 2.10 ⁻⁵ lx	30.000/ pi		55.000/ pi	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