

# IMAGE INTENSIFIER TUBE XR5™

**EXOSSENS**  
REVEAL THE INVISIBLE



**EXOSSENS IS THE LEADER IN DESIGN AND MANUFACTURING OF STATE-OF-THE-ART IMAGE INTENSIFIER TUBES FOR MILITARY AND COMMERCIAL APPLICATIONS**

The XR5 Image Intensifier Tube (IIT) represents the technological standard for night vision and is available in a variety of inverting and non-inverting formats for existing and new optical systems.

A prominent feature on the XR5 is the integrated Auto-Gated power supply, facilitating operations under dynamic lighting conditions. The XR5 IIT can suit a variety of environments, under low light levels.



*\*Detection, Recognition, Identification*

## TECHNICAL SPECIFICATIONS

	MINIMUM	TYPICAL	MAXIMUM	UNIT
FOM (Figure Of Merit) - 18mm (P43)	1472	1600	•	•
Signal-to-Noise Ratio	23	25	•	•
Limiting resolution	64	68	•	lp/mm

### FAST AUTO-GATING DATA

High Light Level resolution (200lx)	55	•	•	lp/mm
Response time	•	0,2	0,4	s
Rise time Off-to-On	•	0,7	0,9	s
Input current	•	25	30	mA

### OTHER TECHNICAL DATA

Phosphor	P43 - green (also available in P45 - white)			
Operational life time	10.000	•	•	hours
Halo (with 0,35mm input spot)	•	0,85	•	mm
Gain at $2 \times 10^{-5}$ lx	10.000	•	20.000	cd/m <sup>2</sup> /lx
(Gain at $2 \times 10^{-6}$ fc)	(31.000)	•	(63.000)	fL/fc
Max. Output Brightness (MOB)	4	•	17	cd/m <sup>2</sup>
(Max. Output Brightness)	(1,2)	•	(4,9)	fL
Equivalent Brightness Illumination (E.B.I)	•	0,15	0,25	μlx
Weight (18mm ANVIS)	•	70	75	g
Shock resistance	500	•	•	g's

Exosens, worldwide night vision expert for more than 85 years



ITAR FREE



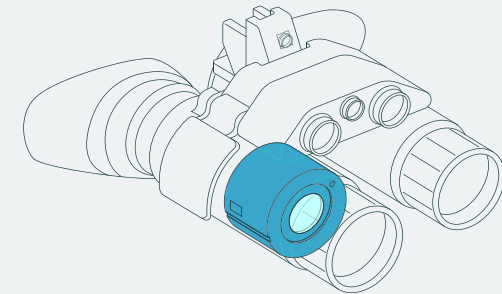
PHOTONIS LEGACY IMAGE INTENSIFIER TUBE



MADE IN EU



NV SALES REPRESENTATIVES ALL OVER THE WORLD



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