

EXCELLENCE IN **NIGHT VISION**

See further during night time operations and win through the night with the XR5 image intensifier tube.



XR5™ Image Intensifier Tube

As the evolution of the trusted XD-4 image intensifier, the XR5 image intensifier offers an improved performance. With higher figure-of-merit (FOM) values and better signal-to-noise ratio (SNR) the XR5 image intensifier tube delivers the users a better performance throughout the night.

Photonis: leader in design and manufacture of state-of-the-art image intensifier tubes for military applications.

- Improved DRI* range
- Small halo
- Auto-Gating
- Excellent performance in low light levels
- Proven quality performance
- Available for avionics goggles
- Non-ITAR product
- NATO registered supplier



*DRI= Detection, Recognition and Identification

	Minimum	Typical	Maximum	Unit
FOM (Figure Of Merit)*	1600	1770		
Signal-To-Noise Ratio	25	26		
Limiting resolution	64	68		lp/mm
High Light Level Resolution (200 lx)	55			lp/mm
Auto-Gating Power Supply Unit				
Response time		0.25	0.4	s
Rise Time Off-to-On		0.6	0.7	s
Input current		25	30	mA
Other Technical Data				
Phosphor	P22 (also available in P43 and P45**)			
Operational life time	10.000			hours
Halo (with 0.35mm input spot)		0.8		mm
Gain at 2×10^{-5} lx	10.000		18.000	cd/m ² /lx
(Gain at 2×10^{-6} fc)	(31.416)		(56.550)	fL/fc
Max. Output Brightness	4		17	cd/ m ²
(Max. Output Brightness)	(1,2)		(4,9)	fL
E.B.I.		0.15	0.25	μlx
Weight (anvis)		70	75	g
Shock resistance	500			g's

* Signal-To-Noise Ratio x Limiting resolution

** P45 is Onyx (white phosphor)

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