

BE THE FIRST TO SEE

The benchmark for night vision with 4G technology.



4G

Image Intensifier Tube

The 4G standard is the latest technology in intensified night vision. 4G is specifically designed to address the stringent requirements of special forces operators. Only 4G can offer ultra-fast Auto-Gating, the smallest halo and unrivalled spectral range from ultraviolet to near infrared. Gain the unfair advantage in the darkest nights, in all terrain and operations. Get the best DRI* range and be the first to see.

*DRI = Detection, Recognition and Identification

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

- Best DRI* range
- Smallest halo
- Ultra-Fast Auto-Gating
- Spectral range from 400nm to 1000nm
- Selected by Tier 1 Special Forces
- Also available in 16 mm
- Non-ITAR product
- NATO registered supplier

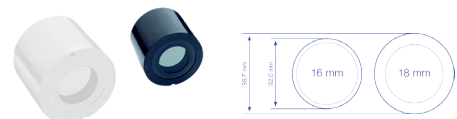


*DRI= Detection, Recognition and Identification

| | Minimum | Typical | Maximum | Unit |
|---|---------------------------------------|---------|----------|-----------------------|
| FOM (Figure Of Merit)* | 1800 | 2200 | | |
| Signal-To-Noise Ratio | 28 | 30 | | |
| Limiting resolution | 64 | 72 | | lp/mm |
| High Light Level Resolution (200 lx) | 55 | | | lp/mm |
| Ultra Fast Auto-Gating Power Supply Unit | | | | |
| Response time | | 0.12 | 0.2 | s |
| Rise Time Off-to-On | | 0.5 | 0.6 | s |
| Input current | | 25 | 30 | mA |
| Other Technical Data | | | | |
| Phosphor | P43 (also available in P22 and P45**) | | | |
| Operational life time | 10.000 | | | hours |
| Halo (with 0.35mm input spot) | | 0.7 | | mm |
| Gain at 2×10^{-5} lx | 10.000 | | 20.000 | cd/m ² /lx |
| (Gain at 2×10^{-6} fc) | (31.416) | | (62.832) | 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 (16mm) | | 45 | 50 | g |
| Weight (18mm, 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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