



ADVANCED PHOTONICS

HIGH-PERFORMANCE PREMIUM FRONT AND REAR OPTICS GSCI-VIVID



GSCI-VIVID is non-ITAR lightweight and compact optic set compatible with White and Green Phosphor II tubes. It was optimized for all generation 18mm II tubes, and gives additional advantage together with the latest generation of high-resolution image tubes.

The main purpose of the GSCI-VIVID optics is to reduce the weight and size of the LUX-14L monocular.

- Crystal clear glass
- Immense viewing angles - Eyepiece glass is substantially wider
- Non-ITAR
- Compatible and optimized for all generation 18mm White and Green Phosphor II tubes.
- Accepts a screw-in glass demist shield for extra comfort and protection.
- The kit grants =>29% reduction in weight per kit compared to the standard PVS-14 optics.
- VIVID eyepiece has precise diopter adjustment dial with smooth rotation action “easy grip pattern”.
- GSCI custom-made aluminum rugged eyepiece housing fits polymer and metal housings.
- Increased details and awareness in critical situations.
- VIVID optics can greatly reduce operators’ fatigue during the prolonged use



Standard
MIL-SPEC



GSCI VIVID
MIL-SPEC



Standard
MIL-SPEC



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Standard
MIL-SPEC



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GSCI VIVID Lightweight MIL-SPEC Eyepiece	
Eye Relief:	25mm +0/-0.2mm
Weight:	52.6g
Effective Focal Length	27.03 +/- 0.5mm
Flange Focal Distance	10mm + 0.28mm/-0.42mm
Exit Pupil Diameter:	>=14mm on axis
Field of View:	40.0° +/- 1σ for a 18mm image format
Diopter focus:	+2 to -6 diopters at 25mm eye relief*
Light Transmission:	>= 85% weighted avg. from 400-680nm
Distortion:	-8% , +/- 0.5% at semi-field angle of 20°

GSCI VIVID Lightweight MIL-SPEC Objective Lens	
Eye Relief:	25mm +0/-0.2mm
Weight:	38
Effective Focal Length	27.03 +/- 0.5mm
Flange Focal Distance	no less than 1.0 mm
F-number:	<= 1.23
Field of View:	40.0° +/- 2σ for a 17.5mm image format
Relative Illumination:	>= 40% of the on-axis illumination
Distortion:	-8% , +/- 0.5% at semi-field angle of 20°



Designed, Developed, Manufactured by GSCI Advanced Photonics

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