

D-FENS



BINOCULARS GOGGLES

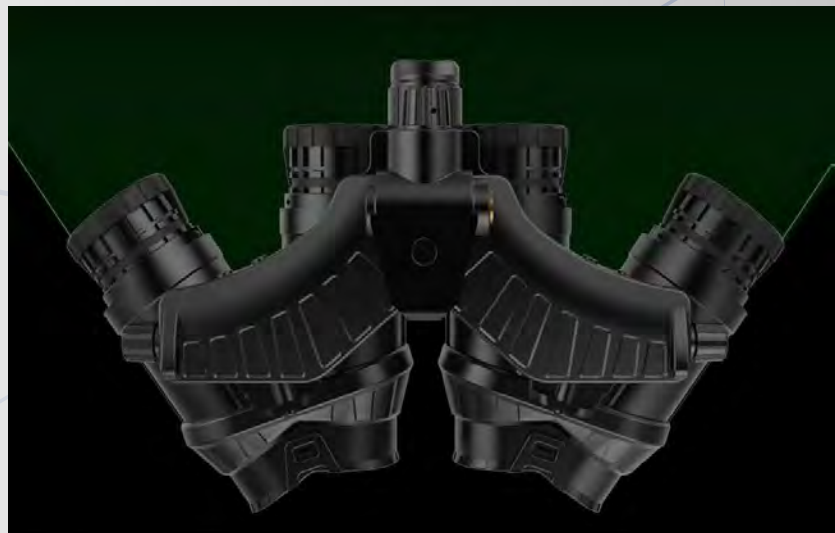
4 eyed GPNVG FOV 120

DF-B4G120

FEATURES

1. IP65 or IP67 waterproof.
2. Mil-spec multi-coated optic.
3. FOV 120 degree.
4. Remote battery pack.
5. Little Optical distortion.

Total FOV 120,50 degrees each



Introduction

With the new technology, D-Fens developed a new Ground Panoramic Night Vision Goggles which called DF-B4G120 GPNVG, The purpose of the DF-B4G120 is to provide the operator more information under goggles, allowing him to more quickly move through the OODA Loop (Observe, Orient, Decide, Act). The most striking feature of the DF-B4G120 is the presence of four separate image intensifier tubes with four separate objective lenses arrayed in a panoramic orientation.

The center two lenses point forward like traditional dual-tube goggles, giving the operator more depth perception, while two more tubes point slightly outward from the center to increase peripheral view. The two tubes on the right and the two on the left are spliced at the eyepieces. The operator sees the two center tubes somewhat overlapping the two outer tubes to produce an unprecedented 120° FOV. This is an absolute game-changer for the SOF community.

The two right and two left tubes are housed in merged assemblies and are hung from a bridge, giving operators interpupillary adjustment options. They can also be easily removed and operated as independent handheld viewers. The IPD of the two system can be adjusted on the helmet mount.

Specification

Image intensifier	Gen2+ / gen 3
Magnification	1X
Structural mode	DF-B4G120 4 eyed GPNVG
Installation	Head mounted
Battery type	Lithium battery (CR123Ax1) External battery packs (CR123Ax4)
Voltage range	2.6-4.2V
Control type	ON/IR/AUTO
FOV (degree)	Horizontal 120+/-2 ° Vertical 50 +/-2 °
Power	<0.2W
Battery capacity	800-3200maH
Continue working time	30-80H
Parallelism of optical axes	<0.1°
Optical aperture	F1.18 22.5mm
Optical MTF	120LP/mm
Optical distortion	3% Max
Relative Illumination	>75%
Lens coating	FMC
Focus range	0.25M-∞
Weight	880 g

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