



## PS18G4 full view helmet night vision



Four independent tubes working with for independent lens. The two lens in the center works in the traditional way, whose direction is straightly forward to detect the target in distance. The other two tubes at the right or left side are designed for widening the field. The image from the right two tubes and the left two tubes can fuse to form a 120 degree view, which is a revolutionary development. The right two tubes and the left two tubes has its own independent imaging system and can be attached on a helmet mount similar with the ANVIS for free adjustment. It can also work as the handheld night vision whose interpupillary distance can be adjusted.



Model	PS18G4
Structural mode	helmeted turnover four-eyed NVG
Battery type	Lithium battery (cr123Ax1) / cr123Ax4 external battery pack
Power supply	2.6-4.2V
Installation	Head mounted(standard American helmet interface)
Control mode	ON/IR/AUTO
Power dissipation	<0.2W
Battery capacity	800-3200maH
Battery life	30-80H
Magnification	1X
FOV(°)	Horizontal 120(+/-2) ° ; Vertical 50 (+/-2)°
Coaxiality	<0.1°
IIT	gen2+ / gen 3
Gain	Auto
Lens system	F1.18 22.5mm
MTF	120LP/mm
Optical distortion	3% Max
Relative Illumination	>75%
Coating	Multilayer broadband coating
Focus range	250mm-∞
Focus mode	Manual focus facility
Distance of pupil	30mm
Aperture	8mm
Diopter	+2 ~ -3 degree
IPD adjust type	Arbitrary continuously adjustable
IPD adjust range	50-85mm
IPD lock type	Manual lock
IR	850nm 20mW
Working temperature range	-40--+55°C
Humidity range	5%-95%
Waterproof	IP67
Dimensions	155x136x83mm
Weight	880G(without battery)