

DTG-18/18N/18F

GROUND PANORAMIC QUAD GOGGLES



PRODUCT DESCRIPTION

DTG-18N is a four-eye night vision device developed based on the American GPNVG-18, designed to provide users with more information in dark environments and accelerate the completion of the OODA cycle (Observation, Orientation, Decision, Action).

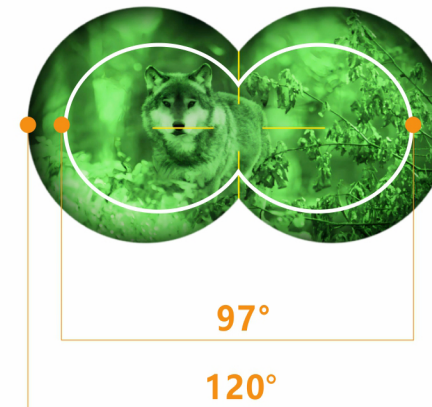
The most feature of the DTG-18N is that it has four image tubes and four objective lenses arranged in a panoramic direction. The two middle lenses point forward like traditional dual night vision, giving the user more depth perception, while the other two point slightly outward from the center to increase peripheral vision. The two tubes on the right and the two tubes on the left perform image stitching and fusion at the eyepiece. Users see the two central images overlapped with the two outer images, resulting in an unprecedented 120° field of view.

CHARACTERISTICS

Large FOV 120°

Continuously adjustable +/- 3 diopter design

No distortion of the image



Model	DTG-18	DTG-18N	DTG-18F
Generation	Gen 2+/Gen3(optional)	Gen 2+/Gen3(optional)	Gen 2+/Gen3(optional)
Magnification	1X	1X	1X
FOV(°)	120×50 +/-2°	120×50 +/-2°	120×50 +/-2°
Diopter	+2.5~-3.5	+2.5~-3.5	+2.5~-3.5
Capability	Flip-Up On-Off	Flip-Up On-Off	Side-up On-Off Flip-Up On-Off
Auto Brightness Control	YES	YES	YES
Bright Light Cut-off	YES	YES	YES
Infrared Illuminator	Built-in(850nm 20mW)	Built-in(850nm 20mW)	Built-in(850nm 20mW)
IR Indicator	YES	YES	YES
Low Battery Indicator	YES	YES	YES
Battery type	CR123A*1 / x4 Battery pack	CR123A*1 Battery pack (CR123A*4) Battery pack (AA*4)	CR123A*1 Battery pack (CR123A*4) Battery pack (AA*4)
Optical distortion	1% Max	1% Max	1% Max
Eye relief	30mm	30mm	30mm
Pupil diameter	8mm	8mm	8mm
Operating temperature(°C)	-40--+55°C	-40--+55°C	-40--+55°C
Humidity range	5%-95%	5%-95%	5%-95%
Waterproof	IP65/IP67	IP65/IP67	IP65/IP67
Dimensions	155x136x83mm	150x130x75 mm	155x136x83mm
Weight	590g(housing) 880g(finished)	495g(housing) 780g(finished)	552g(housing) 820g(finished)