

# Head-Mounted Telescopes WLS-MDD Series



## Features:

WLS-MDD binocular night vision device is a high-performance pure military head-mounted night vision device, which is designed with reference to the current head-mounted night vision device PVS-31 in the United States. It is divided into two models: low-light version MDD1W and digital version MDD1.

Digital MDD1 has the characteristics of strong adaptability to ultra-low illumination environment, high imaging quality, multifunction, day and night use, electronic zoom, clear imaging, high cost performance, etc. It is very suitable for general military enthusiasts and outdoor enthusiasts at night.

The low-light version of MDD1W has the characteristics of large field of view, high definition, no distortion, light weight and high strength (the overall performance greatly exceeds the original US military products), which is an ideal choice for military night equipment.

WLS-MDN Specification			
Cataloge	WLS-MDD1W		WLS-MDD1
Flip Detection	Automatic detection		
Power Supply	Lithium battery (CR123x1)/CR23x4 External battery box		
Battery Voltage Range	2.6-4.2V		
Installation Method	Head-mounted (standard American helmet interface)		
Control Mode	ON/IR/AUTO		
Power Consumption	<0.1W	<1.2Wx2	
Battery Capacity	800-3200maH		
Battery Life	40-100H	0.5-3H	
Optical Magnification	1X		
Full field of view	50 +/-2 °	25+/-2°	
Parallelism of Optical Axis	<0.1°		
Image intensifier	Ultra-Second Generation/Third Generation Low Light Tube	Ultra-low illumination CMOS	
Light Passing Aperture	F1.18 22.5mm	F1.6 7.8mm	
Optical MTF	120LP/mm	160LP/mm	
Optical distortion	3% Max	0.5%Max	
Relative illuminance	>75%	>80%	
Optical Filming	Ultra-wideband multilayer optical antireflection film		
Focusing range	250mm-∞		
Focusing mode	Manual		
Distance of eyepiece exit pupil	30		
Aperture diameter of eyepiece	8mm	6mm	
Visual range	0 degree of vision (+/-5 degrees optional)		
Adjustment mode of target distance	Arbitrary continuous adjustable		
Range of eye distance adjustment	50-80mm		
Target spacing locking mode	Manual locking		
Frame rate			30-50Frame
Low illumination sensitivity			1x10 <sup>-4</sup> Lux
Image resolution ratio			1440P
Display resolution			480x480x3 OLED
SD card capacity			1-128GB High-speed card
Other functions			Video recording, GPS, WIFI, electronic compass
Secondary light source	850nm 20mW		
Applicable temperature	-40-- +55°C	-30-- +50°C	
Humidity	5%-95%		
IP	IP65/IP67		
Size	115x105x85	115x178x58	115x105x85 115x178x58
Weight	560G		430G