



Ground panoramic quad goggles

(DTG-18/18N)



Product Description:

DTG-18N is a four-eye night vision device innovatively developed by **DEXXDEF** Optoelectronics with ground panoramic observation capabilities. The purpose is to provide users with more information in a dark environment and to pass the **OODA** loop (observation, orientation, decision, action) faster. 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.

**Technical specifications:**

MODEL	DTG-18	DTG-18N
Generation	Gen 2+/Gen3(optional)	Gen 2+/Gen3(optional)
Magnification	1X	1X
FOV(°)	120x50 +/-2 ° Horizontal 120+/-2 ° Vertical 50 +/-2 °	120x50 +/-2 ° Horizontal 120+/-2 ° Vertical 50 +/-2 °
Diopter	(+1.5~-2.5)	(+2.5~-3.5)
Capability	Flip-Up On-Off	Flip-Up On-Off
Auto Brightness Control	YES	YES
Bright Light Cut-off	YES	YES
Infrared Illuminator	Built-in(850nm 20mW)	Built-in(850nm 20mW)
IR Indicator	YES	YES
Low Battery Indicator	YES	YES
Battery type	CR123Ax1 / x4 Battery pack	CR123Ax1 / x4 Battery pack
Power supply	2.6-4.2V	2.6-4.2V
Battery capacity	800-3200maH	800-3200maH
Optical distortion	1% Max	0.5% Max
Eye relief	30mm	30mm
Pupil diameter	8mm	8mm
Operating temperature(°C)	-40--+55°C	-40--+55°C
Humidity range	5%-95%	5%-95%
Waterproof	IP65/IP67	IP65/IP67
Dimensions	155x136x83mm	150x130x75 mm
Weight	590g(housing)/880g(finished)	495g(housing)/780g(finished)



Ground panoramic quad goggles

(DTG-18F)



Product Description:

DTG-18F is a newly developed four-eye night vision device with side-flip up On/Off and ground panoramic observation capabilities. The purpose is to allow users to obtain more information in dark environments and pass the OODA cycle (observation, positioning, decision-making, and action) more quickly. Compared with the **other two versions**, the biggest feature of DTG-18F is that in addition to flipping up to shut down, it can also be **side flip up** to shut down, which brings more convenience to customers in terms of use and application scenarios.

Technical specifications:

MODEL	DTG-18F
Generation	Gen 2+/Gen3(optional)
Magnification	1X



FOV(°)	120x50 +/-2 ° Horizontal 120+/-2 ° Vertical 50 +/-2 °
Diopter	(+2.5-3.5)
Capability	Flip-Up On-Off,Side Up On-off
Auto Brightness Control	YES
Bright Light Cut-off	YES
Infrared Illuminator	Built-in(850nm 20mW)
IR Indicator	YES
Low Battery Indicator	YES
Battery type	CR123Ax1 / x4 Battery pack
Power supply	2.6-4.2V
Battery capacity	800-3200maH
Optical distortion	1% Max
Eye relief	30mm
Pupil diameter	8mm
Operating temperature(°C)	-40--+55°C
Humidity range	5%-95%
Waterproof	IP65/IP67
Dimensions	155x136x83mm
Weight	780g



Night Vision Fusion Goggles (DTS-22N)



Product description:

DTS-22N is a foldable night vision device developed exclusively by **DEXXDEF** Optoelectronics. It's a balanced center of gravity design, a short wheelbase, and is comfortable to wear. It is not easy to get tired even after long-time use. It is the smallest dual night vision only **395g**. DTS-22N has three versions: **night vision** , **information input** , and **thermal fusion** . The thermal fusion not only observe the surrounding environment in a dark environment, but also quickly identify living targets, greatly improving the night recognition ability.

Technical specifications:

MODEL	DTS-22N	DTS-22T(Fusion)
Generation	Gen 2+/Gen3(optional)	Gen 2+/Gen3(optional)
Magnification	1X	1X
FOV(°)	50+/-2	50+/-2
Diopter	+ / - 5	+ / - 5
Battery type(v)	CR123A(1)/AA / Battery pack	CR123A(1) /Battery pack
Power supply(v)	2.5-4.2	2.5-4.2



Battery capacity	300-3200maH	600-3200maH
Total Darkness IR System	YES	YES
Automatic Brightness Control	YES	YES
Bright Light Cut-off	YES	YES
Infrared Illuminator	Built-in(850nm 20mW)	Built-in(850nm 10mW)
IR Indicator	YES	YES
Low Battery Indicator	YES	YES
Optical distortion	0.5% Max	0.5% Max
Relative Illumination	>75%	>75%
Distance of pupil	25-30mm	25-30mm
Eyepiece aperture	9mm	9mm
Display resolution		1280x720
Thermal image wavelength		8-12uM
Thermal image resolution		384x288
Fusion mode		Optical fusion
Operating temperature(°C)	-40--+55	-40--+55
Relative humidity	5%-95%	5%-95%
Waterproof	IP65/IP67	IP65/IP67
Dimensions(mm)	81x132x81	81x140x90
Weight(g)	390g	425g



Night Vision Fusion Goggle (DT-NH921)



Product description:

DT-NH9X is a new product developed based on the latest DEXXDEF technology. Small size, light weight, clear imaging, adjustable eye distance, and changeable magnification by replacing the objective lens (or connecting A focal lens). After **adding the thermal imaging mode**, The thermal fusion **not only observe** the surrounding environment in a dark environment, **but also quickly** identify living targets, greatly improving the night recognition ability. It has built-in IR, and automatic bright source protective. This product is **highly practical** and has a wide range of applications.

Technical specifications:

MODEL	DT-NH921 (NVG)	DT-NH921s (Thermal fusion)
Generation	Gen 2+/Gen3(optional)	Gen 2+/Gen3(optional)
Magnification	1X(3X/4X/5X)	1X(3X/4X/5X)
FOV(°)	42+/-3	42+/-3



Adjustable range of eye distance	65+/-5	65+/-5
Diopter	+/-5	+/-5
Total Darkness IR System	YES	YES
Automatic Brightness Control	YES	YES
Bright Light Cut-off	YES	YES
Infrared Illuminator	Built-in(850nm 20mW)	Built-in(850nm 20mW)
IR Indicator	YES	YES
Low Battery Indicator	YES	YES
Material	Aviation aluminum	Aviation aluminum
Power supply(v)	2.6-4.2V	2.6-4.2V
Battery type(v)	AA(2)	AA (2)/ Battery pack
Operating Temperature (°C)	-40/+50	-40/+50
Relative humidity	5%-98%	5%-98%
Waterproof	IP65 (IP67 Optional)	IP65 (IP67 Optional)
Dimensions (mm) (without eye mask)	130x130x56	115x127x69
Wight(g)	356g(housing)/410g(finished)	398g(housing)/468g(finished)
Video output parameters		
Video acquisition power supply (Optional)	external power source 5V 1W	external power source 5V 1W



video resolution (Optional)	Video 1Vp-p SVGA	Video 1Vp-p SVGA
Thermal imaging parameters		
Type of sensor :		Unrefrigerated long wave infrared thermal radiometer
Detector resolution :		384x288
Applicable wavelength :um		8-12um
Objective lens focal length:		fixed-focus
Objective aperture:		F1.0
Brightness:		adjustable
Focusing distance:		250mm~∞
Image mode:		White heat/black heat/green bottom/red/hook edge
Detection distance: (1.7M people)		Detection range: 450M Identification range: 350M
Battery Pack:		CR123 (A) x4 2.4~4.2V



Thermal Clip-on/Monocular (DT-TW21)



Product description:

DT-TW21 thermal imager visual enhancement system is the most advanced technology in the world. The modular design concept leads the trend of night vision equipment today. It can provide the best visual experience in various environments. In addition to being **handheld** and **head-mounted**, it can also be **clip-on with the night vision system** to achieve thermal fusion. The thermal fusion not only observe the surrounding environment in a dark environment, but also quickly identify living targets, greatly improving the night recognition ability.

Technical specifications:

MODEL	DT-TW21
Volume:mm	88x38x70(Handheld) 88x38x82(Head-mounted) 88x43x78(Clip-on)



Weight:g	140(Handheld) 144(Head-mounted) 92(Clip-on)
Battery:	CR123A(1) / Battery pack
Battery life:H	3.5-4.5
Waterproofing grade	IP67
Compatibility	PVS31 PVS14 NVG18 DTS31 DTS35 DTG18 DTNH9 DTS13
Multifunction	Handheld Head-mounted Clip-on
Type of sensor	unrefrigerated long wave infrared thermal radiometer
Detector resolution	384x288
Applicable wavelength:um	8-12um
Amplification factor:	X 1.2 (Handheld/Head-mounted) X 1.0 (Clip-on)
Field of view:FOV	32° (Clip-on) 36° (Handheld/Head-mounted) Center of circle
Focal distance of objective:	fixed-focus
Objective aperture:	F1.0
Luminance:	adjustable
Focussing distance:	250mm~∞
Image model:	White/black/green/red/Highlight/Outline



Night Vision Goggles (DTS-41)



Product description:

DTS-41 is a foldable night vision device developed exclusively by **DEXXDEF** Optoelectronics. It's a balanced center of gravity design, a short wheelbase, and is comfortable to wear. It is not easy to get tired even after long-term use. It's also freely adjust the eye spacing and lock the eye spacing. DTS-41 can remove the left or right body through two special buttons, and use the **single-body** for observation, while the other eye can be used to detect the actual situation of the environment. When the device is not used at night, it can be placed on the top of the head after **two flips** with our patented helmet mounts, and can be turned up and shut down, and standby with zero weight.

Technical specifications:

MODEL	DTS-41
Generation	Gen 2+/Gen3(optional)
Magnification	1X
Resolution	64-72 lp/mm



FOV (°)	50+/-2
Diopter	+ / - 5
Capability	Flip-Up On-Off
Optical distortion	1% Max
Automatic Brightness Control	YES
Bright Light Cut-off	YES
Infrared Illuminator	Built-in(850nm 20mW)
IR Indicator	YES
Low Battery Indicator	YES
Power Supply	CR123A/AA(1)/Battery pack
Battery Life	40 h - standard/ 300 h - with Battery Pack (optional)
Distance of pupil	25-30mm
Eyepiece aperture	9mm
Eye distance adjustment range	55-85mm
Operating temperature	-40--+55°C
Relative humidity	5%-95%
Waterproof	IP65/IP67
Dimensions	154mmx100 mm x 88mm
Weight	375g(housing)/490g(finished)



Head Mounted Night Vision Binocular (DTS-31N)



Product Description:

DTS-31N is a high-performance military head mounted night vision binocular built by DEXXDEF Optoelectronics with reference to **PVS31**, an active head mounted night vision binocular in the United States. The DTS-31N has super large field of view, high definition, no distortion, light weight, high strength (the overall performance is **much better** than the original version of the U.S. military products), which is the ideal choice for military night equipment.

Technical specifications:

MODEL	DTS-31N
Generation	Gen 2+/Gen3(optional)
Magnification	1X
Resolution	63-70 lp/mm
FOV (°)	50+/-2 (40 optional)
Diopter	+ / - 5



Capability	Flip-Up On-Off, Side Flip-Up On-Off
Optical distortion	1% Max
Automatic Brightness Control	YES
Bright Light Cut-off	YES
Infrared Illuminator	Built-in(850nm 20mW)
IR Indicator	YES
Low Battery Indicator	YES
Power Supply	CR123A
Battery Life	60 h - standard/ 300 h - with Battery Pack (optional)
Distance of pupil	30mm
Eyepiece aperture	8mm
Eye distance adjustment range	50-80mm
Operating temperature	-40--+55°C
Relative humidity	5%-95%
Waterproof	IP65/IP67
Dimensions	115mmx178 mm x 85mm
Weight	452g(housing)/523g(finished)



Head Mounted Night Vision Binocular (DTS-31P)



Product Description:

DTS-31P is a high-performance military head-mounted night vision upgraded by DEXXDEF Optoelectronics based on **DTS-31N**. **DTS-31P** has a super large field of view, **long exit pupil distance**, **large eyepiece design**, high definition, no distortion, light weight, and can be matched with accessories such as gas masks and combat glasses. It is an **ideal equipment for military night vision** equipment.

Technical specifications:

MODEL	DTS-31P
Generation	Gen 2+/Gen3(optional)
Magnification	1X
Resolution	63-70 lp/mm
FOV (°)	50+/-2 (40 optional)
Diopter	+ / - 5
Capability	Flip-Up On-Off, Side Flip-Up On-Off



Optical distortion	0.5% Max
Automatic Brightness Control	YES
Bright Light Cut-off	YES
Infrared Illuminator	Built-in(850nm 20mW)
IR Indicator	YES
Low Battery Indicator	YES
Power Supply	CR123A
Battery Life	60 h - standard/ 300 h - with Battery Pack (optional)
Distance of pupil	30mm
Eyepiece aperture	8mm
Eye distance adjustment range	50-80mm
Operating temperature	-40--+55°C
Relative humidity	5%-95%
Waterproof	IP65/IP67
Dimensions	115mmx178 mm x 85mm
Weight	452g(housing)/523g(finished)



High Quality NVG (DTS-33)



Product Description:

DTS-33 is the high-end night vision binocular developed by DEXXDEF Optoelectronics. It has a **FOV 50°** which allows you to see more information . It also has **long pupil** distance and an large eyepiece design. DTS33 has an exclusive patented design, **lock the focus range of the objective lens**, a custom **eyepiece diopter**, and **side/filp up on off** . It is easy to use, and its overall performance exceeds that of other dual tubes devices.

Technical Specifications:

MODEL	DTS-33N
Generation	Gen2+/Gen3(optional)
Magnification	1X
FOV(°)	50+/-2 (40 optional)
Resolution	60-72 lp/mm
Diopter	-6~-4 / -4~-6 (Optional)



Capability	Flip Up On-Off, Side Up On-Off
Optical distortion	0.5% Max
Automatic Brightness Control	YES
Bright Light Cut-off	YES
Infrared Illuminator	Built-in(850nm 20mW)
IR Indicator	YES
Low Battery Indicator	YES
Power Supply	CR123x1/AAx1/Battery pack
Battery life	40-100H
Optical distortion	<0.5% Max
Eyepiece exit pupil distance	25-40mm
Eyepiece exit pupil diameter	9mm
Eye distance adjustment range	50-80mm
Eye distance locking method	Manual locking(optional)
Operating temperature	-40--+55°C
Relative humidity	5%-95%
Waterproof	IP65/IP67
Dimensions	108x106x83
Weight	317g (housing) /465g(finished)



Head Mounted Night Vision Binocular (DTS-35)



Product Description:

DTS-35 is a high-performance military head mounted night vision binocular built by DEXXDEF Optoelectronics .It is an active **head mounted** night vision binocular in the United States. The DTS-35 has super **large field of view**, high definition, no distortion, light weight, high strength (the overall performance is much better than the original version of the U.S. military products), which is the ideal choice for military night equipment.

Technical specifications:

MODEL	DTS-35
Generation	Gen 2+/Gen3(optional)
Magnification	1X
FOV(°)	50 +/-1(40 optional)
Automatic Brightness	YES



Control	
Bright Light Cut-off	YES
Infrared Illuminator	Built-in(850nm 20mW)
IR Indicator	YES
Low Battery Indicator	YES
Battery type	AA battery (AA x1) / CR123x4 Battery pack
Power supply	1.2-1.6V
Installation	Head mounted(standard American helmet interface)
Control mode	ON/IR/AUTO
Battery capacity	800-3200maH
Battery life	40-100H
Optical distortion	0.1% Max
Distance of pupil	20-45mm
Eyepiece aperture	9mm
Diopter adjustment	+ / - 5
Off-axis (mm)	5-10
Eye distance adjustment range	50-80mm
Operating temperature	-40--+55°C
Relative humidity	5%-95%
Waterproof	IP65/IP67
Dimensions	110x100x90
Weight	330g(housing)/480g(finished)



Dual bridge Night Vision Binoculars (DT - NH8XD)



Product description:

DT-NH8XD is a new product developed based on the DEXXDEF technology. It has excellent performance, small size, light weight, clear imaging and simple operation. The magnification can be changed by replacing the objective lens (**or A focal lens**). The product is connected to a **dual brige** and can also be disassembled to be used as **two monocular devices**. It has built-in IR, and automatic bright source protective. This product is highly practical and has a wide range of applications.

Technical specifications:

MODEL	DT-NH821D
Generation	Gen 2+/Gen3(optional)
Magnification	1X(3X/4X/5X)
Resolution (lp/mm)	60-64



S/N (dB)	18-24
FOV(°)	42+/-3
Capability	Flip-Up On-Off, Side Flip-Up On-Off
Automatic Brightness Control	YES
Bright Light Cut-off	YES
Infrared Illuminator	Built-in(850nm 20mW)
IR Indicator	YES
Low Battery Indicator	YES
Adjustable range of eye distance	65+/-5mm
Diopter	+5/-5
Range of focus (M)	0.25--∞
Material	Aviation aluminum
Power supply	2.6-4.2V
Battery type	CR123(A)x2
Operating Temperature (°C)	-40/+50
Relative Humidity	5%-98%
Waterproof	IP65 (IP67 optional)
Dimensions (mm)	115x127x69
Weight (no battery)	460g(housing)/610g(finished)



Night vision Goggle (Gen2)

(DT – NH7)



Product description:

DT-NH7X is a new product developed based on the latest DEXXDEF technology. Small size, light weight, clear imaging, and changeable magnification by replacing the objective lens (or connecting A focal lens).It has built-in IR, and automatic bright source protective. This product is **highly practical** and has a wide range of applications.

Technical specifications:

MODEL	DT-NH7
IIT	Gen2/+
Magnification	1X
Resolution (lp/mm)	51-63
S/N (dB)	18-25
Luminous Sensitivity (uA/lm)	500-700
MTTF (H)	10,000
FOV (degree)	42+/-3
Detection sensitivity (M)	250-300
Diopter range	+5/-5
Lens system	F1.2, 25mm
Coating	Multilayer broadband coating



Distance range (M)	0.25--∞
Auto anti strong light	High sensitivity broadband detection
Rollover detection	Solid non-contact automatic detection
Dimensions (mm) (No eyeshade)	130x130x56
Weight (no battery)	393g
Power supply	2.6-4.2V
Battery type	AA (5) x2
Infrared auxiliary light source wavelength (nm)	850
Battery life (H)	80(IR OFF) 40(IR ON)
Operating Temperature (°C)	-40/+50
Relative Humidity	5%-98%
Environment rating	IP65 (IP67 optional)



Military Night Vision Monoculars (DTS-13)



Product Description:

DTS-13 is a new product developed based on the latest DEXXDEF technology with a field of view of 50 degrees. The imaging is clear, the operation is simple. The magnification can be changed by replacing the objective lens. The night vision device has a built-in infrared Illuminator and an auto-gain system.

Technical specifications:

MODEL	DTS-13
Generation	Gen 2+/Gen3(optional)
Magnification	1X
Resolution (lp/mm)	60-64
S/N (dB)	18-24



Luminous sensitivity (uA/lm)	600-800
FOV(°)	50+/-2 (40 optional)
Diopter	+5/-5
Capability	Flip-Up On-Off
Automatic Brightness Control	YES
Bright Light Cut-off	YES
Infrared Illuminator	Built-in(850nm 20mW)
IR Indicator	YES
Low Battery Indicator	YES
Optical distortion	<0.5%
Pupil distance (mm)	20-45
Battery Voltage	2.6-4.2V
Battery type	CR123(A)x1
Temperature range (°C)	-40/+50
Humidity range	5%-98%
Waterproof	IP65 (IP67 optional)
Dimensions (mm)	110x63x42
Weight (no battery)	171g(housing)/240g(finished)



Military Night Vision Monoculars (DTS-14)



Product description:

The DTS-14 night vision is a new product developed based on the latest optoelectronics technology with a field of view of 50 degrees. The imaging is clear, the operation is simple. The magnification can be changed by replacing the objective lens. The night vision device has a built-in infrared illuminator and an auto-gain system.

Product description:

MODEL	DTS-14
Generation	Gen 2+/Gen3(optional)
Magnification	1X
Resolution (lp/mm)	60-64
S/N (dB)	18-24



Luminous sensitivity (uA/lm)	600-800
FOV(°)	50+/-2 (40 optional)
Diopter	-6~+4 / -4~+6
Capability	Flip-Up On-Off
Automatic Brightness Control	YES
Bright Light Cut-off	YES
Infrared Illuminator	Built-in(850nm 10mW)
IR Indicator	YES
Low Battery Indicator	YES
Optical distortion	<0.5%
Pupil distance (mm)	20-45
Battery Voltage	1.2-1.6V/2.4-4.2V
Battery type	CR123(A)x1/AA (1)
Temperature range (°C)	-40/+55
Humidity range	5%-98%
Waterproof	IP65 (IP67 optional)
Dimensions (mm)	110x63x42
Weight (no battery)	180g(housing)/240g(finished)



Night Vision Monocular (DT - NH8XX)



Product description:

DT-NH8X1 is a new product developed based on the DEXXDEF technology. It has excellent performance, small size, light weight, clear imaging and simple operation. The magnification can be changed by replacing the objective lens (or A focal lens). The product is connected to a **dual brige** and can also be disassembled to be used as **two monocular devices**. t has built-in IR, and automatic bright source protective. This product is highly practical and has a wide range of applications.

Technical specifications:

MODEL	DT-NH821
Generation	Gen 2+/Gen3(optional)
Magnification	1X (3X/4X/5X)
Resolution (LP/mm)	60-64
S/N (dB)	18-24
FOV(°)	42+/-3



Capability	Flip-Up On-Off, Side Flip-Up On-Off
Automatic Brightness Control	YES
Bright Light Cut-off	YES
Infrared Illuminator	Built-in(850nm 20mW)
IR Indicator	YES
Low Battery Indicator	YES
Diopter	+5/-5
Material	Aviation aluminum
Power supply	2.6-4.2V
Battery type	CR123(A)x1
Operating Temperature (°C)	-40/+50
Relative Humidity	5%-98%
Waterproof	IP65 (IP67 optional)
Dimensions (mm)	115x69x54(No eyeshade)
Weight (no battery)	220g(housing)/290g(finished)



Night Vision Monocular (DT - NH8XS)



Product description:

DT-NH8XS is a new product developed based on the DEXXDEF technology. It has excellent performance, small size, light weight, clear imaging and simple operation. The magnification can be changed by replacing the objective lens (or A focal lens). The product is connected to a **dual brige** and can also be disassembled to be used as **two monocular devices**. It has built-in IR, and automatic bright source protective. This product is highly practical and has a wide range of applications.

Technical specifications:

MODEL	DT-NH821S
Generation	Gen 2+/Gen3(optional)
Magnification	1X (3X/4X/5X)
Resolution (LP/mm)	60-64
S/N (dB)	18-24



FOV(°)	42+/-3
Capability	Flip-Up On-Off, Side Flip-Up On-Off
Automatic Brightness Control	YES
Bright Light Cut-off	YES
Infrared Illuminator	Built-in(850nm 20mW)
IR Indicator	YES
Low Battery Indicator	YES
Diopter	+5/-5
Material	Aviation aluminum
Power supply	2.6-4.2V
Battery type	CR123(A)x1
Operating Temperature (°C)	-40/+50
Relative Humidity	5%-98%
Waterproof	IP65 (IP67 optional)
Dimensions (mm)	118x70x50(No eyeshade)
Weight (no battery)	170g(housing)/240g(finished)



Holographic Sights (DT-QX8)



Product description :

DT-QX8 is a high-performance day and night laser **holographic sight** developed by DEXXDEF optoelectronic technology. DT-QX8 provides 2 calibration buttons on the side for vertical and horizontal adjustments based on ballistics. Made of premium materials, the QX8 Holographic is waterproof up to 10 feet and durable enough to withstand 1000G shocks, and its size and weight make it easy for hunters, military personnel, and law enforcement officers to carry. It has the advantages of small size, light weight, easy use, no parallax, etc. It is the best choice for fast aiming.

Technical specifications:

	Model	DT-QX81
Optical system	Projection method	Full No parallax Reverse projection
	Magnification	1X
	Distance of pupil	Unlimited



	Material	Optical solid glass
	Dimensions	30x23+/-1mm
	Glass coating	Anti-glare (MIL-0-13830A) Antifogging
	FOV (100mm)	>15(°)
Graduation cursor	Graduation type	Red, infrared Reverse projection(NV)
	Daytime brightness adjustment	146000:1 20 steps
	Nighttime brightness adjustment	1280:1 10 steps
Power spec.	Battery type	CR123(A)x1
	Battery life	>550H (daytime mode step 2)
	Low battery warning	Power Low than 20%,flash cursor
	Auto shut off	8H/4H no operation auto shut off(can be set)
Graduation mil	reticle range	+/-40MOA
	Minimum reticle	1/2MOA
Mechanical	Mounting Fixture	MIL-STD-1913
	Lock	screw
	Remounting accuracy	2MOA
Product-Size	Dimensions	<95x55x65mm
	Weight(No battery)	<230g
Environmental adaptation	Environment specification	MIL-STD-810F
	Waterproof	IP65 (IP67 optional)
	Temperature(°C)	Operating: -40~+65 Storage: -50~+75



Night Vision Riflescope (DT - NS8)



Product description:

DT - NS8x is a night vision rifle scope designed for standalone operation **without a day scope**. DTS-NS8x uses a classic crosshair reticle that lights up red to contrast against a green or white fluorescent background. The DEXXDEF-designed quick-release clamp allows for **quick and secure locking** and mounting. The rugged body of the NS8 is rugged and waterproof to IP67. The lenses of these night vision rifle scopes are multi-coated and nitrogen purged internally to prevent fogging. The NS8 can use CR123A batteries (providing 50 hours of battery life), and the main features are individually adjustable focus and diopter, up and down and left and right calibration of the crosshair reticle, making it a great choice for law enforcement, the military, Top law enforcement agencies, elite hunters and more.

Technical specifications:

MODEL	DT-NS84	DT-NS85
Generation	Gen 2+/Gen3(optional)	Gen 2+/Gen3(optional)
Magnification	4X	5X
Resolution (lp/mm)	57-64 (64-72)	57-64 (64-72)



Diopter	+/-5	+/-5
Detection sensitivity (M)	1500	2000
Distinguish distance (M)	1000	1500
Aperture	55mm	65mm
FOV(°)	10	8
Distance of pupil	50mm	50mm
Graduation type	Back Light red cursor	Back Light red cursor
Minimum mil	1/6MOA	1/8MOA
Battery type	CR123(A)x1	CR123(A)x1
Battery life (H)	40-50	40-50
Operating Temperature (°C)	-40 /+60	-40 /+60
Relative humidity	5%-98%	5%-98%
Impact resistance	>1000G	>1000G
Waterproof	IP65 (IP67 optional)	IP65 (IP67 optional)
Dimensions (mm)	257x92x90	287x92x90
Weight (no battery)	850g(finished)	920g(finished)



Night Vision Riflescope (DT-NS9XX)



Product description:

DT - NS9x is a night vision rifle scope designed for standalone operation **without a day scope.** **DTS-NS9x** uses a classic crosshair reticle that lights up red to contrast against a green or white fluorescent background. The DEXXDEF-designed quick-release clamp allows for quick and secure locking and mounting. The rugged body of the NS8 is rugged and waterproof to IP67. The lenses of these night vision rifle scopes are multi-coated and nitrogen purged internally to prevent fogging. The DT-NS9x can use CR123A batteries (providing 50 hours of battery life), and the main features are individually adjustable focus and diopter, up and down and left and right calibration of the crosshair reticle, making it a great choice for law enforcement, the military, Top law enforcement agencies, elite hunters and more

Technical specifications:

MODEL	DT-NS95	DT-NS97
Generation	Gen 2+/Gen3(optional)	Gen 2+/Gen3(optional)
Magnification	4X	5X
Resolution (lp/mm)	57-64 (64-72)	57-64 (64-72)
Diopter	+/-5	+/-5
Detection sensitivity (M)	1500	2000



Distinguish distance (M)	1000	1500
Aperture	55mm	65mm
FOV(°)	10	8
Distance of pupil	50mm	50mm
Graduation type	Back Light red cursor	Back Light red cursor
Minimum mil	1/6MOA	1/8MOA
Battery type	CR123(A)x1	CR123(A)x1
Battery life (H)	40-50	40-50
Operating Temperature (°C)	-40 /+60	-40 /+60
Relative humidity	5%-98%	5%-98%
Impact resistance	>1000G	>1000G
Waterproof	IP65 (IP67 optional)	IP65 (IP67 optional)
Dimensions (mm)	257x92x90	287x92x90
Weight (no battery)	850g(finished)	920g(finished)



Night Vision Clip-on System (DT-NSCF4)



Product description:

The DT-NSCF4 is one of the simplest and easiest to use night vision scope attachments ever designed. The DT-NSCF4 is what is known as a "Quick Clip Scope" or "Day/Night System". The main advantage of a Quick Clip Scope over a traditional night vision scope is that it is very convenient to use an existing day scope without the need to re-zero. Adding night vision to your scope is very simple. The Clip Scope mounts easily and quickly to your weapon rail, in front of your regular day scope. This night vision clip-on can be used with day scopes up to 8x magnification for optimal performance.

Technical specifications:

MODEL	DT-NSCF4
Generation	Gen 2+/Gen3(optional)
Magnification	1X
Resolution	60-64 (64-72)
Objective pupil	65mm



FOV(°)	10
Objective adjustment range (m)	8--∞
Exit pupil diameter (mm)	55mm--∞
Eyepiece aperture (mm)	28
Installation	Special front link bracket
Battery type (v)	The 1 section 3V lithium battery
Battery life (h)	40-50
Operating temperature (°C)	-40 /+50
Relative humidity	5%-98%
Impact resistance	>1000G
Waterproof	IP65/ (IP67optinal)
Dimensions (mm)	284x86x78(including eye mask)
Weight (g)	706g(finished)



Night Vision Clip-on Sight (DT-NSCB)



Product description:

DT-NSCB has a professional clip-on behind sight design, adopts an all-metal body structure with high mechanical strength. The quick-release design is easy to remove or assemble. When used with a daylight sight (daysight of an 8-10x lens), it can achieve a good sighting imaging at night. It can be used for field sniping operations at night.

Technical specifications:

MODEL	DT-NSCB1	DT-NSCB3
Generation	Gen 2+/Gen3(optional)	Gen 2+/Gen3(optional)
Magnification	1X	2X
Resolution	60-64	60-64
Objective pupil	22mm	40mm
FOV(°)	40	13.5



Exit pupil diameter (mm)	50	50
Distance of pupil	9	9
Eyepiece aperture (mm)	+/-5	+/-5
Battery type (v)	The 1 section 3V lithium battery	The 1 section 3V lithium battery
Battery life (h)	40-50	40-50
Operating temperature (°C)	-40 /+50	-40 /+50
Relative humidity	5%-98%	5%-98%
Impact resistance	>800G	>800G
Waterproof	IP65/ (IP67optinal)	IP65/ (IP67optinal)
Dimensions (mm)	160x55x69(including eye mask)	250x58x70(including eye mask)
Weight (g)	295g(finished)	338g(finished)



A Focal Lens

(DT-Z3X & Z5X)



Product Description:

The DT-Z3X & Z5X has independent intellectual property rights, high performance large aperture, suitable for night vision products optical image multiplier magnifying lens. This doubling lens adopts high-tech multilayer composite ion coating technology and high-tech optical technology system design simulation technology.

Technical specifications:

MODEL	Z3X	Z5X	remarks
Magnification	3X	5X	Objective image magnification
pupil	50mm	70mm	Maximum clear aperture
distortion	<2%	<3%	Multiplier System Distortion
Relative illuminance	>70%	70%	Multiplier system relative illuminance
wavelength range	420-850	420-850	Band pass plus single point
lens protection	Waterproof	Waterproof	Process only the first side of the lens
Installation method	Thread/connecting ring	Thread/connecting ring	Screws directly to the objective thread, also with a coupling ring
Product Size	62x65mm	72x82mm	Connection ring and packaging not included
product weight	165 grams	228 grams	Connection ring and packaging not included



Objective Lens DT-ONX3&DT-ONX4&DT-ONX5



Product Description:

DT-ONX3&DT-ONX4&DT-ONX5 night vision objective lens is a high-performance universal objective lens that can be combined with low-light image intensifier to obtain high-resolution, night vision environment images.

Technical specifications:

MODEL	DT-ONX3	DT-ONX4	DT-ONX5
FOV(°)	12-15	5-10	4-8
Optical dynameter	3X Φ42 FL=50	4X Φ55 FL=70	5X Φ65 FL=90
relative illumination	95%	95%	95%
Optical aperture (objective)	F1.3	F1.4	F1.4/2.8
Optical distortion	0.5%Max	0.5%Max	0.5%Max
Focusing range	5M-∞	10M-∞	15M-∞
Focusing mode	manual operation	manual operation	manual operation
Material	High strength aviation aluminum		
shock strength	>1000G		
Operating Temperature (°C)	-50--+80°C		
Relative Humidity	5%-95%		
Waterproof	IP65/IP67		
Dimensions (mm)	85x62x42	110x72x58	138x82x68
Weight (no battery)	129g	214g	330g



Soft Helmets (DT-PHS8)



Product description:

DT-PHS8 is refer to the soft helmet based on American active duty military, on the basis of the head shape features with Oriental upgrade design use Oriental professional soft helmets. After redesigning products with independent intellectual property rights, have patent protection. This special soft helmet is wearing comfortable, convenient adjustment, the function is all ready, durability and other characteristics, its interfaces and functions are interchangeable with general bulletproof helmets, especially suitable for special operations forces wearing equipment needs.

Technical specifications:

MODEL	SPECIFICATRIONS	REMARKS
Mounting Lock	Universal dismantled structure	Same as Bullet proof helmet
Dovetail groove	Universal 21mm	Each piece of both sides
Back Pasting pylon	Universal Self adhesion	Self adhesive tape
Multi-function Back Fixed hole	3xM3	Suitable for screw fixation
Head Width adjustment	0-25mm Symmetrically	Self-lock adj. knob
Head length adjustment	0-35mm backward	Self-lock adj. knob
Head size adjustment	0-65mm Symmetrically	Self-lock adj. knob
Strap length adjustment	0-65mm 4ports	Self-lock Clasp
Dimensions	235x190x150mm	250x210x170
Weight	440g (no package)	500g (Minimum package)



Helmet Mounts (DT-HC21)



Product description:

Universal helmet assembly DT-HC21 with independent intellectual property have patent protected. The night vision is made from high strength aviation aluminum alloy; the function is all ready, flexible operation, easy to use, durable, etc. Have freedom in all two axis is adjustable; Product 260 degrees,multiple functions such as automatic shutdown check. Its interfaces and function high strength aviation aluminum alloy as are interchangeable with general bulletproof helmets, especially suitable for special operations forces wearing equipment needs.

Technical specifications:

ITEM	SPECIFICATRIONS	REMARKS
Vertical adjustment	+/-11mm	Lock by thread-off proof Knob
Radial adjustment	+/-15mm	Lock by thread-off proof Knob
Rotate adjustment	2Ports 270 max degrees	Rotate Self lock
State detection	Two magnetic detection	Logic code operation
Material	Aviation aluminum alloy	High precision CNC machining
Dimensions	81x68x58mm	No package
Weight	197g	No package



Helmet Mounts (DT-HC31S)



Product description:

Universal helmet assembly DT-HC31S with independent intellectual property have patent protected. The night vision is made from high strength aviation aluminum alloy; the function is all ready, flexible operation, easy to use, durable, etc. Have freedom in all two axis is adjustable; product before and after adjustment,height adjustment,flip shutdown check and other function.Its interfaces and function high strength aviation aluminum alloy as are interchangeable with general bulletproof helmets, especially suitable for special operations forces wearing equipment needs.

Technical specifications:

ITEM	SPECIFICATRIONS	REMARKS
Vertical adjustment	+/-10mm	Lock by thread-off proof Knob
Horizontal adjustment	+/-12mm	Self lock by thread-off proof knob
Radial adjustment	+/-12mm	Lock by thread-off proof Knob
Rotate adjustment	2Ports 2x90degrees	Rotate Self lock
State detection	Two magnetic detection	Logic code operation
Material	Aviation aluminum alloy	High precision CNC machining
Dimensions	110x65x45mm	No package
Weight	150g	No package



Helmet Mounts (DT-HC9)



Product description:

Universal helmet assembly DT-HC9 with independent intellectual property have patent protected. The night vision is made from high strength aviation aluminum alloy; the function is all ready, flexible operation, easy to use, durable, etc. Have freedom in all three axis is adjustable; Product 180 degrees, three docking stations, multiple functions such as automatic shutdown check. Its interfaces and function high strength aviation aluminum alloy as are interchangeable with general bulletproof helmets, especially suitable for special operations forces wearing equipment needs.

Technical specifications:

ITEM	SPECIFICATRIONS	REMARKS
Vertical adjustment	+/-12mm	Lock by thread-off proof Knob
Material	Aviation aluminum alloy	High precision CNC machining
Dimensions	130x100x80mm	No package
Weight	170g	No package



Helmet Mounts (DT-HC8)



Product description:

Universal helmet assembly DT-HC8 with independent intellectual property have patent protected. The night vision is made from high strength aviation aluminum alloy; the function is all ready, flexible operation, easy to use, durable, etc. Have freedom in all three axis is adjustable; Product 180 degrees, three docking stations, multiple functions such as automatic shutdown check. Its interfaces and function high strength aviation aluminum alloy as are interchangeable with general bulletproof helmets, especially suitable for special operations forces wearing equipment needs.

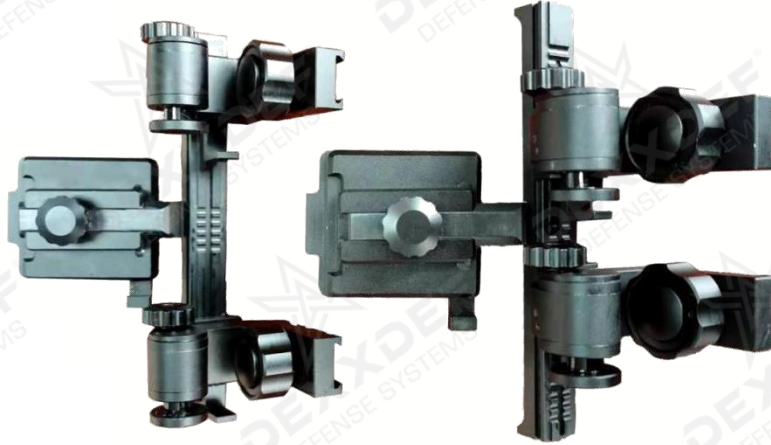
Technical specifications:

ITEM	SPECIFICATRIONS	REMARKS
Vertical adjustment	+/-10mm	Lock by thread-off proof Knob
Horizontal adjustment	+/-25mm	Self lock by thread-off proof knob
Radial adjustment	+/-12mm	Lock by thread-off proof Knob
Rotate adjustment	2Ports 2x80degrees	Rotate Self lock
State detection	Two magnetic detection	Logic code operation
Material	Aviation aluminum alloy	High precision CNC machining
Dimensions	110x90x70mm	No package
Weight	120g	No package



Universal Night Vision Helmet Mounts

(DT-HC8D)



Product Description:

This helmet mounts DT-HC8D has independent intellectual property rights and patent protection. The helmet mounts is made of high strength aviation aluminum alloy, complete features, flexible operation, easy to use, durable and other characteristics. With full degrees of freedom adjustable; product 160 degrees, two docking point flip, automatic shutdown check and other functions; can easily realize the traditional monocular to binocular use.

Technical specifications:

MODEL	specifications	remarks
Vertical adjustment	+/-10mm	REMARKS
Horizontal adjustment	+/-25mm	Lock by thread-off proof Knob
Radial adjustment	45-105mm	Self lock by thread-off proof knob
Rotate adjustment	+/-12mm	Lock by thread-off proof Knob
State detection	Two magnetic detection	Logic code operation
Material	Aviation aluminum alloy	High precision CNC machining
Dimensions	125x90x70mm	No package
Weight	150g	No package



Battery pack

(DT-BP)



Product Description:

DT-BP battery pack is an essential multi-functional, portable power supply and night identification used in field tasks. The battery pack can accommodate 4 x CR123 batteries and has a total capacity of about 2000-3500 maH, which can provide enough power to enable you to work continuously outdoors and in special circumstances without having to replace the battery.

Technical specifications:

MODEL	DT-BP
Power supply(v)	DC3V
Battery type(v)	CR123 (4)
Connector	5-Pin
Materials	Plastic
Waterproof	IP65 (IP67 optional)
Dimensions	89mmx86 mm x36mm
Weight	80g(empty)



Battery pack

(DT-BP4X5)



Product Description:

DT-BP4X5 battery pack is an essential multi-functional, portable power supply and night identification used in field tasks. The battery pack can accommodate 4 x AA batteries and has a total capacity of about 2000-3500 maH, which can provide enough power to enable you to work continuously outdoors and in special circumstances without having to replace the battery.

Technical specifications:

MODEL	DT-BP4X5
Power supply(v)	DC3V
Battery type(v)	AA (4)
Connector	4-Pin
Materials	Aviation aluminum
Waterproof	IP65 (IP67 optional)
Dimensions	97mmx80 mm x26mm
Weight	86g(empty)



Battery pack

(DT-BP2X5)



Product Description:

DT-BP2X5 battery pack is an essential multi-functional, portable power supply and night identification used in field tasks. The battery pack can accommodate 2 x AA batteries and has a total capacity of about 2000-3500 maH, which can provide enough power to enable you to work continuously outdoors and in special circumstances without having to replace the battery.

Technical specifications:

MODEL	DT-BP4X5
Power supply(v)	DC 3V
Battery type(v)	AA (2)
Connector	4-Pin
Materials	Aviation aluminum
Waterproof	IP65 (IP67 optional)
Dimensions	118mmx110 mm x57mm
Weight	208g(empty)



IR Illuminator

(DT - TX)



Product description:

The DT-TX specially designed for the use environment and characteristics of sights. They are small in size, light in weight, high in strength, easy to install and adjust, with uniform light spots, low power, adjustable brightness, adjustable emission direction, long irradiation distance, and good concealment. They are very suitable for use with night vision sights in completely dark environments such as military, police, and outdoor hunting.

Technical specifications:

MODEL	TX8N	TX9N	TX8W	TX9W
Light type	IR	IR	IR	IR
Wavelength (nm)	850	940	850	940
Angle of irradiation	5°	5°	10°	10°
Brightness control	Keyboard	Keyboard	Keyboard	Keyboard
Power supply	2.4-4.2V	2.4-4.2V	2.4-4.2V	2.4-4.2V
Battery Type	CR123(A)	CR123(A)	CR123(A)	CR123(A)
Irradiation distance	>300M	>300M	>200M	>200M
Direction adjust	Up/Dn & R/L	Up/Dn & R/L	Up/Dn & R/L	Up/Dn & R/L
Impact resistance	>1000G	>1000G	>1000G	>1000G
Dimensions (mm)	92x41x54	92x41x54	92x41x54	92x41x54
Weight (no battery)	145g	145g	145g	145g
Environment rating	IP65 (IP67 OP.)	IP65 (IP67 OP.)	IP65 (IP67 OP.)	IP65 (IP67 OP.)



Dual-band Laser Protection Shield (DT-LF2D)



Product Description:

This dual-band laser protection shield DT-LF2D product has independent intellectual property rights, and the company has completed many studies and experiments. This dual-band laser protection shield is a high-tech laser protection product made of high-tech multi-layer composite ion coating technology, is the best protective parts for night vision products, for the commonly used laser band, high protection efficiency, targeted, easy installation and use, light and durable characteristics.

Technical specifications:

MODEL	specifications	remarks
Types of protective lasers	Two kinds of laser	Red and green laser
Protection Wavelength 1	Laser 532 \pm 10nm	Green laser
Protection Wavelength 2	Laser 650 \pm 10nm	Red laser
Protection efficiency	99.95%	Laser frequency cutoff
Protection strength	>50mW	Can be irradiated for a long time without damage
Protection method	reflection-type	Reflected laser band
Transmittance	>95%	Non-laser-band transmittance
Protection angle	> \pm , 25 degrees	Removes all rays that may cause damage
Mounting/Dimensions	Thread installation M30	Can be installed with different products
Product weight	3g	No packaging