

Catalogue for Night Vision list

1. NV-400B digital infrared night vision binoculars



| | |
|----------------------------|--|
| Optical performance | Magnification power 3.5 X31 (MAX 7x) |
| | Digital Zoom 2 steps magnification, Max 2x |
| | Angle Of View 9° |
| | Objective Aperture 31mm |
| | Exit Pupil Distance 30mm |
| | F# for Objective lens 1.2 |
| | 3m~∞ in daytime; Viewing in the darkness up to 400M (monochrome) |
| | Eyepiece magnification 2x |
| Video Output | 320x240 resolution TFT LCD |
| | OSD menu display |
| | CVBS always output with VGA resolution |
| Imager | Wide Dynamic Range High-sensitivity CMOS Sensor |
| | Size 1/3" |
| | Resolution 640X480 |
| IR LED | 3W Infrared LED with 850nm |

| | |
|-----------------------------------|---|
| Micro SD Card | Support SDHC 4GB~32GB SD Card |
| Hardware Buttons | Power on/off |
| | Snap |
| | Mode selection |
| | Zoom |
| | IR switch |
| Operation | Preview |
| | Record JPEG file in SD storage |
| | Capture JPEG file in SD storage |
| | Playback media file from SD storage |
| Power | External power supply - DC 5V/1A |
| | 8 pcs AA battery 4.5V-6V |
| | Battery life: 10 hours working time with IR off |
| | Battery low warning |
| System | 4 modes (Capture, Video, Playback) |
| | Single frame Image Capture |
| | Video image Record |
| | Playback image |
| | Delete image |
| | 5 level IR switch |
| | SD card format |
| | Power save (Off/1 min/ 3min/50 min) |
| | Language: English /Trad. Chinese /Simp. Chinese /Japanese / French /Deutsch /Korean /Italian /Portuguese /Russian / Spanish / Arabic |
| | System Rest |
| | Light Freq. 50/60HZ |
| | Date Input |
| | Version |
| | Size |
| Net weight 750g (without battery) | |
| package | USB cable/ AV cable/ TF card/ Bag/Manual |

2. NV-200C digital infrared night vision binoculars



| | | |
|---------------------|--|--------------------------------|
| Optical performance | Magnification | 3.5~7X |
| | Objective aperture | 21mm |
| | Field of views | 14° |
| | Lens focus adjustment | Manual |
| | Exit pupil distance | 21mm |
| | Min focus range | 1m |
| | The view distance at night | up to 200m |
| Imager | Sensor | high sensitivity CMOS sensor |
| | Size | 1/5 " |
| | Resolution | 640x480 |
| Displayer | Displayer device | 2" TFT LCD |
| | Resolution | 320x240 |
| | Digital Magnification | 4x |
| Lighting | Lighting device | Power infrared LED 3W |
| | Lighting working | Adjustable high-middle-low-off |
| | LED lens views | 16° |
| | Centre wavelength | 850nm |
| Power | Working voltage | 4.5v-6.0v DC |
| | Power supply | AA Battery x4 |
| | Working hour of battery | 2/3.5h(IR on/off) |
| Application mode | Day | Yes |
| | Night | Yes |
| | Dark | Yes (with IR ON) |
| Signal output | Signal format | CVBS |
| | Output | USB/AV |
| | Storage | Micro-SD card 512M to 32G |
| Size | Dimension | 144x85x46mm |
| | Weight | 400g(without battery) |
| Accessories | USB Cable | Yes |
| | mini SD card | 8G |
| | AV Cable | Yes |
| Packing Details | corrugated box, 10pcs/ctn,G.W.:4.0kgs,siz/ctn:340*250*226mm | |

3. NV-150 digital infrared night vision monocular



| | |
|----------------------------|--|
| Optical performance | Magnification power 3.5~9X21 |
| | Digital Zoom magnification, Max 2.6x |
| | Angle Of View 10° |
| | Objective Aperture 20mm |
| | Exit Pupil Distance 18mm |
| | F# for Objective lens 1.3 |
| | 3m~∞ in daytime (color); Viewing in the darkness up to 200M (monochrome) |
| | Diopter adjustment +100°~ -400° |
| Video Output | 320x240 resolution TFT LCD |
| | OSD menu display |
| | CVBS always output with VGA resolution |
| Imager | CMOS High-sensitivity Sensor |
| | Size 1/4" |
| | Resolution 640X480 |
| IR LED | 3W Infrared LED with 850nm |
| Micro SD Card | Support SDHC 4GB~32GB SD Card |
| Hardware Buttons | Power on/off |
| | Snap |

| | |
|------------------|---|
| | Mode selection |
| | Zoom |
| | IR switch |
| Operation | Preview |
| | Record AVI file in SD storage |
| | Capture JPEG file in SD storage |
| | Playback media file from SD storage |
| Power | External power supply - DC 5V/1A |
| | 4 pcs AA battery 4.5V-6V |
| | Battery life: 6 hours working time with IR off |
| | Low battery warning |
| System | 4 modes (Capture, Video, Playback,Menu) |
| | Single frame Image Capture |
| | Video image Record |
| | Playback image |
| | Delete image |
| | 5 levels IR switch for USB power,3 levels IR switch for battery. |
| | Auto Power Off (Off/1 min/ 3min/5 min) |
| | Language: English /French/ Spanish/Portuguese/Deutsch/9 LANGUAGES |
| | TV mode(PAL/NTSC) |
| | Light Freq. 50/60HZ |
| | Format |
| | LCD Brightness 4 Levels |
| | Version |
| Size | size 144mmx85mmx46mm |
| | TBD |
| package | USB cable/ AV cable/ Micro SD card/ Bag/Manual |

4.NV-100 digital infrared night vision monocular



| | | |
|---------------------|----------------------------|--------------------------------|
| Optical performance | Magnification | 3 |
| | Objective aperture | 14.5mm |
| | Field of view | 14 |
| | Lens focus adjustment | Manual |
| | Exit pupil distance | 20mm |
| | Min focus range | 1m |
| | The view distance at night | up to 100m |
| Imager | Sensor | high sensitivity CMOS sensor |
| | Size | 1/5" |
| | Resolution | 640x480 |
| Displayer | Displayer device | 2" TFT LCD |
| | Resolution | 320x240 |
| | Digital Magnification | 4x |
| Lighting | Lighting device | Power infrared LED 3W |
| | Lighting working | Adjustable high-middle-low-off |
| | LED lens view | 16 |
| | Centre wavelength | 850nm |
| Power | Working voltage | 4.5v-6.0v DC |
| | Power supply | AA Battery x4 |
| | Working hour of battery | 2/3.5h(IR on/off) |
| Application mode | Day | Yes |
| | Night | Yes |
| Signal output | Dark | Yes (with IR ON) |
| | Signal format | CVBS |
| | Output | USB/AV |
| Size | Storage | Micro-SD card 512M to 32G |
| | Dimension | 134x92x47mm |
| Accessories | Weight | 250g(without battery) |
| | USB Cable | yes |
| | mini SD card | 1G |
| | AV Cable | yes |

5. NH8XX (1X.3X.4X.5X) night vision monoculars (Gen2+ .Gen3+)



Product description:

Night vision monocular NH8XX is based on the latest photoelectric technology research and development of new products, The instrument adopts the high-performance generation ii/three image intensifier, with excellent performance, small volume and weight ,light,clear imaging, simple operation, high cost performance, and by replacing the objective lens (or connecting multiplier lens).It can change magnification and so on. The product can be connected with digital cameras, cameras and video cameras. cooperate with the gun aiming fixture can hang gun use, also can be used alone. The night vision instrument is equipped with an infrared auxiliary light source and an automatic anti glare protection system. The product practicality is strong, can be suitable Used for night without lighting military observation, coastal defense reconnaissance, public security environment Monitoring, forensics, customs anti-smuggling, etc., the public security department, the armed police force, special police forces, and the guard patrolling the ideal equipment.

| | | |
|---------------------|---------------|---------------|
| MODLE | NH821 | NH831 |
| Image intensifier | Gan2+ | Gan3 |
| Magnification | 1X (3X/4X/5X) | 1X (3X/4X/5X) |
| Resolution (lp/mm) | 45-57 | 51-63 |

| | | |
|--|---|---|
| Photocathode | S25 | GaAs |
| S/N (dB) | 15-21 | 18-25 |
| Sensitivity 2850K (uA/lm) | 450-500 | 500-700 |
| Life (H) | 10,000 | 10,000 |
| View angle (degree) | 42+/-3 | 42+/-3 |
| View distance (M) | 180-220 | 250-300 |
| graduation cursor | Internal (optional) | Internal (optional) |
| Diopter range | +5/-5 | +5/-5 |
| Optical system | F1.2, 25mm | F1.2, 25mm |
| Coating | Multilayer broadband coating | Multilayer broadband coating |
| Distance range (M) | 0.25--∞ | 0.25--∞ |
| Auto anti strong light rollover detection | High sensitivity broadband detection Solid non-contact automatic detection | High sensitivity broadband detection Solid non-contact automatic detection |
| Size (mm) (No eyeshade) | 115x69x54 | 180x74x54 |
| material | Aviation aluminum | Aviation aluminum |
| Weight (no battery) | 290g | 290g |
| Battery Voltage | 2.6-4.2V | 2.6-4.2V |
| Battery type | CR123(A)x1 | CR123(A)x1 |
| Battery life (H) | 80(IR OFF) 40(IR ON) | 80(IR OFF) 40(IR ON) |
| Temperature range (°C) | -40/+50 | -40/+50 |
| Humidity range | 5%-98% | 5%-98% |
| Waterproof | IP65 (IP67 optional) | IP65 (IP67 optional) |

6. NH8XD (1X.3X.4X.5X) night vision binoculars (Gen2+ .Gen3)

Product description:

Night vision Binoculars NH8XD is based on the latest photoelectric technology research and development of new products, The instrument adopts the high-performance generation ii/three image intensifier, with excellent performance, small volume and weight ,light,clear imaging, simple operation, high cost performance, and by replacing the objective lens (or connecting multiplier lens).It can change magnification and so on. The product is connected with a special binocular connector to become a binocular binocular night vision device, and can also be disassembled as two monocular night vision devices. The night vision instrument is equipped with an infrared auxiliary light source and an automatic anti glare protection system. The product has strong practicability and can be applied to military observation, coastal defense reconnaissance, public security surveillance, forensics, customs anti-smuggling, etc. in no illumination environment at night. It is an ideal equipment for public security department, armed police force, special police force and guard patrol.



Technical specifications:

| MODLE | NH821D | NH831D |
|--|---|---|
| Image intensifier | Gan2+ | Gan3 |
| Magnification | 1X (3X/4X/5X) | 1X (3X/4X/5X) |
| Resolution (lp/mm) | 45-57 | 51-63 |
| Photocathode | S25 | GaAs |
| S/N (dB) | 15-21 | 18-25 |
| Sensitivity 2850K (uA/lm) | 450-500 | 500-700 |
| Life (H) | 10,000 | 10,000 |
| View angle (degree) | 42+/-3 | 42+/-3 |
| View distance (M) | 180-220 | 250-300 |
| Adjustable range of eye distance | 65+/-5 | 65+/-5 |
| Diopter range | +5/-5 | +5/-5 |
| Optical system | F1.2, 25mm | F1.2, 25mm |
| Coating | Multilayer broadband coating | Multilayer broadband coating |
| Distance range (M) | 0.25--∞ | 0.25--∞ |
| Auto anti strong light rollover detection | High sensitivity broadband detection Solid non-contact automatic detection | High sensitivity broadband detection Solid non-contact automatic detection |
| Size (mm) (No eyeshade) | 115x127x69 | 115x127x69 |
| material | Aviation aluminum | Aviation aluminum |
| Weight (no battery) | 645 | 645 |
| Battery Voltage | 2.6-4.2V | 2.6-4.2V |

| | | |
|------------------------|----------------------|----------------------|
| Battery type | CR123(A)x2 | CR123(A)x2 |
| Battery life (H) | 80(IR OFF) 40(IR ON) | 80(IR OFF) 40(IR ON) |
| Temperature range (°C) | -40/+50 | -40/+50 |
| Humidity range | 5%-98% | 5%-98% |
| Waterproof | IP65 (IP67 optional) | IP65 (IP67 optional) |

7. NH9X night vision goggles (Gen2+ .Gen3)



Product description:

Night vision monocular NH9X is based on the latest photoelectric technology research and development of new products, The instrument adopts the high-performance generation ii/three image intensifier, with excellent performance, small volume and weight ,light,clear imaging, simple operation, high cost performance, and by replacing the objective lens (or connecting multiplier lens).It can change magnification and so on. The product can be adjusted arbitrarily according to different eye distances. The night vision instrument has built-in digital video acquisition system, which can easily realize digital video acquisition and transmission at night and under no illumination conditions, thus realizing visual command coordination at night. Built in red detonation lamp, infrared lighting and automatic anti glare protection. The product has strong practicability

and can be applied to military observation, coastal defense reconnaissance, public security surveillance, forensics, customs anti-smuggling, etc. in no illumination environment at night. It is an ideal equipment for the public security department, armed police force, special police force, and guard patrol.

Technical specifications:

| | | |
|--|---|---|
| MODLE | NH9x | NH9x |
| Image intensifier | Gan2+ | Gan3 |
| Magnification | 1X | 1X |
| Resolution (lp/mm) | 45-57 | 51-63 |
| Photocathode | S25 | GaAs |
| S/N (dB) | 15-21 | 18-25 |
| Sensitivity 2850K (uA/lm) | 450-500 | 500-700 |
| Life (H) | 10,000 | 10,000 |
| View angle (degree) | 42+/-3 | 42+/-3 |
| View distance (M) | 180-220 | 250-300 |
| Adjustable range of eye distance | 65+/-5 | 65+/-5 |
| Diopter range | +5/-5 | +5/-5 |
| Optical system | F1.2, 25mm | F1.2, 25mm |
| Coating | Multilayer broadband coating | Multilayer broadband coating |
| Distance range (M) | 0.25--∞ | 0.25--∞ |
| Auto anti strong light rollover detection | High sensitivity broadband detection Solid non-contact automatic detection | High sensitivity broadband detection Solid non-contact automatic detection |
| Size (mm) (No eyeshade) | 130x130x56 | 130x130x56 |
| material | Aviation aluminum | Aviation aluminum |

| | | |
|---|----------------------|----------------------|
| Weight (no battery) | 393g | 393g |
| Battery Voltage | 2.6-4.2V | 2.6-4.2V |
| Battery type | CR123(A)x2 | CR123(A)x2 |
| Infrared auxiliary light source wavelength (nm) | 850 | 850 |
| Wavelength of red light source (nm) | 808 | 808 |
| Digital video (optional) | Exit Power 5V 1W | Exit Power 5V 1W |
| Video resolution (Optional) | Video 1Vp-p SVGA | Video 1Vp-p SVGA |
| Battery life (H) | 80(IR OFF) 40(IR ON) | 80(IR OFF) 40(IR ON) |
| Temperature range (°C) | -40/+50 | -40/+50 |
| Humidity range | 5%-98% | 5%-98% |
| Waterproof | IP65 (IP67 optional) | IP65 (IP67 optional) |

8. PDS31/DTS31 Night vision goggles binoculars



Product features:

PDS-31 is a high-performance military head mounted night vision binocular built by Visionking Optoelectronics with reference to pvs-31, an active head mounted night vision binocular in the United States.

Low light version (PDS-31/DTS-31) has the characteristics of 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.

1. The appearance of the product is compact and delicate. It is small in size, lightest in weight and high in strength.



2. Skillful design and high-quality image tube are adopted to maximize the cost-performance ratio of products.

3. The characteristics of super large field of view, high definition, no distortion, (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:

| | |
|-------------------|-------------------------|
| Name | night vision binoculars |
| Model | PDS31 |
| Image intensifier | Gen2+ |
| Magnification | 1X |

| | |
|-----------------------------|---------------------------------------|
| Rotating test | Auto, flip up auto shut off |
| Battery type | Lithium batteries CR123x1 |
| Voltage range | 2.6-4.2V |
| Control type | ON/IR/AUTO |
| Power | <0.1W |
| Battery capacity | 800-3200maH |
| Continue working time | 40-100H |
| FOV | 50 ±2 degree |
| Parallelism of optical axes | <0.1° |
| Optical aperture | F1.18 22.5mm |
| Rollover detection | Solid non-contact automatic detection |
| Optical MTF | 120LP/mm |
| Optical distortion | 3% Max |
| Relative Illumination | >75% |
| Lens coating | FMC |
| Focus range | 0.25M-∞ |

9. QX81 Holographic sights



Product description

Holographic sights is Sichuan university of electronic science and technology cooperation with VISIONKING company based on the United States EOTECH products research and development of a high performance、 High precision dual laser holographic sights day and night.It has the advantages of small volume, light weight, easy to use, dual use-day and night, no parallax, and so on, is the best choice of the short weapons quickly aim. Very suitable for public security, customs, armed police special security applications.

Technical specifications:

| | ITEM | QX81 |
|-------------------|-----------------------------------|--|
| optical system | Projection method | Full No parallax Reverse projection |
| | magnification | 1X |
| | Distance of pupil | Unlimited |
| | Window material | Optical solid glass |
| | Window size | 30x23+/-1mm |
| | Window glass coating | Anti-glare (MIL-0-13830A) Antifogging |
| | View angle (pupil Distance 100mm) | >15 (degree) |
| 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 | 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 | Mil range | +/-40MOA |
| | Minimum mil | 1/2MOA |
| Mechanical | Mounting Fixture | MIL-STD-1913 |
| | Lock | screw |
| | Remounting accuracy | 2MOA |
| Product-wide | size | <95x55x65mm |
| | Weight(No battery) | <240g |
| Environmental adaptation | Environmental specification | MIL-STD-810F |
| | Waterproof | IP65 (IP67 optional) |
| | Temperature(°C) | Operating: -40~+65 Storage: -50~+75 |

10. Day&night digital night vision X-sight scope DS8 series



Product description:

Day&night use digital sight DS8 series digital aim is is a high-performance digital day-and-night dual-purpose sighting lens made by VISIONKING company

electronics in line with the development trend of sighting. it has low illumination adaptability is strong, high image quality, high precision, can be dual-use, day and night ratio is large, light weight, high cost performance, etc.It also has day and night photography, video, GPS positioning, wireless Wi-Fi transmission and other auxiliary functions,fully meet the needs of modern "show" is the best choice for outdoor hunting.

Technical Specifications:

| DT-DS8X | DS85 | DS87 | DS89 |
|----------------------|-----------------------------|-----------------------------|-----------------------------|
| Power supply | Li battery (CR123x3)、USB-5V | Li battery (CR123x3)、USB-5V | Li battery (CR123x3)、USB-5V |
| Mounting | Fixed fixture | Fixed fixture | Fixed fixture |
| Power dissipation | <1.45W (WiFi OFF) | <1.45W (WiFi OFF) | <1.45W (WiFi OFF) |
| Battery capacity | 1500-2500maH | 1500-2500maH | 1500-2500maH |
| Battery life | 4-6H | 4-6H | 4-6H |
| Optics magnification | 5X | 7X | 9X |
| Mill (MOA) | 1/8--1/2 | 1/10--1/3 | 1/12--1/4 |
| Mill range (MOA) | +/-13 | +/-9 | +/-6.5 |
| Zero set mill (MOA) | +/-7.5 | +/-5 | +/-4 |
| Electronic zoom | 4X | 4X | 4X |
| F number | F1.3 | F1.4 | F1.5 |
| MTF | 150LP/mm | 150LP/mm | 150LP/mm |
| distortion | 0.5%Max | 0.5%Max | 0.5%Max |
| Distance range | 5M-∞ | 8M-∞ | 10M-∞ |
| Adjust mode | manual | manual | manual |
| Distance of pupil | 50mm | 50mm | 50mm |
| Eyepiece aperture | 8mm | 8mm | 8mm |

| | | | |
|----------------------|------------------------------|------------------------------|------------------------------|
| Diopter range | +/-5 | +/-5 | +/-5 |
| Image sensor | CMOS | CMOS | CMOS |
| CMOS sensitivity | 1x10 ⁻³ Lx | 1x10 ⁻³ Lx | 1x10 ⁻³ Lx |
| Sensor resolution | 1080P | 1080P | 1080P |
| Display | 480x480x3 OLED | 480x480x3 OLED | 480x480x3 OLED |
| shock strength | >1000G | >1000G | >1000G |
| memory card capacity | 1-64GB Micro SD (fast type) | 1-64GB Micro SD (fast type) | 1-64GB Micro SD (fast type) |
| accessory function | record、GPS、WiFi、compass、HDMI | record、GPS、WiFi、compass、HDMI | record、GPS、WiFi、compass、HDMI |
| Temperature range | -20--+50°C | -20--+50°C | -20--+50°C |
| Humidity range | 5%-95% | 5%-95% | 5%-95% |
| Waterproof | IP65 (IP67 optional) | IP65 (IP67 optional) | IP65 (IP67 optional) |
| Size | 280x79x72 | 305x79x72 | 335x79x72 |
| Weight (no battery) | 0.68KG | 0.75KG | 0.86KG |