

## Digital Night Vision Ranger



Product Name: Digital Night Vision Ranger

Manufacturer: -

Model Number: TGS2420

With one of the most powerful infrared illuminators ever released on the commercial market, the Ranger is paired with able to hook up to a television or monitor for an incredible observation experience.

Outfit your next adventure with Yukon's new groundbreaking digital night vision device, the Digital Ranger. Yukon sets the standard for digital night vision. With one of the most powerful infrared illuminators ever released on the commercial market, the Ranger is paired with able to hook up to a television or monitor for an incredible observation experience. The result is a device with amazing features and provides the clarity of Gen 2 night vision and powerful magnification.

The next generation of night vision devices is here. The Ranger series takes the initial digital night vision technology and pushes it to the next level. The result is a digital device that provides clarity, distance and video compatibility never seen before.

The image seen through the Digital NV Ranger 5x42 is crisp and sharp on the whole field of view and it does not show any light or dark spots and fuzziness toward the edges. Dual IR system coupled with 5x magnification guarantees the user's ability to recognize objects at maximum observation distance with outstanding clarity irrespective of viewing conditions, while the image brightness is comparable with Gen2 night vision scopes. Both of IR illuminators operate in prolonged IR wave range, which excludes the probability of being disclosed by other observers and by majority of night vision scopes utilizing electro-optical intensifying tubes. The Ranger is equipped with one 1/4" mount thus, with the help of a tripod, it can be used for stationary long-term viewing as well as for video recording on peripheral equipment. The high-strength body of the Ranger is made of constructional plastic providing shock, moisture and dust resistance for the whole unit.

IR Illuminator

IR ranger 5x42

The Ranger is equipped with two independent built-in IR illuminators. One of them functions continuously and is designed for observation under ideal night viewing conditions of a 1/4 moon. The other high-powered IR illuminator is intended for observation of distant objects under low light conditions, including total darkness. The IR power of the latter can be smoothly adjusted and the IR light intensity level can be stored.

Power Supply

DC video ranger 5x42 The Ranger can operate on external power sources such as vehicle's or

stationary power grid (the device is equipped with a special output for that) or independently on AA batteries/accumulators.

Optics

overview\_optics\_ranger The 42mm objective lens is distinguished by improved frequency and

contrast characteristics. The objective lens made of high-quality optical glass is fully multicoated.

Brightness Adjustment Wheel

ring ranger 5x42 In Ranger the image is shown on the Liquid Crystal Display (LCD).

Manual

adjustment of LCD brightness is operated with the adjustment wheel.

Video Recording

DC video ranger 5x42 The direct built-in video recording output enables image transmission as well

as video recording on peripheral equipment (monitor etc.) while carrying out

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stationary or mobile observations.

### Features

Digital Night Vision Technology - Easily compared to units costing thousands of rands

5x Magnification for upclose viewing with large 42mm objective lenses

Dual IR system for bright images in complete darkness

Video Output - Connect the Yukon Ranger to a TV or Video Camera for recordable viewing

Tripod Mountable for stationary long-term viewing

### Specifications

Magnification - 5x

Lens Diameter (mm) - 42

Lens Focus (mm) - 50.3

Relative Aperture - 1:1.2

Field of View - 5 deg

Focus Range (meters) - 5 ~ inf.

Range of Recognition (meters) - 250

Eye Relief (mm) - 12

Exit Pupil (mm) - 5

Diopter Adjustment - +- 4

Resolution, Lines per mm - 40

IR Power (mW) - 2000

IR Wavelength (nm) - 940

IR Effective Distance (meters) - 250

Power Supply - 6xAA (7.2-9 V)

Battery Life (w/out IR) hour - 6

Battery Life (with IR) hour - 3

Power/Battery Indicator - Yes

Input Power Supply - 7.2 ~ 9 V

Tripod Mount - 1/4 Inch

Camera Adaptable - Yes

Video Output - EIA (compatible with NTSC)

Length in. - 6.7

Width in. - 4.6

Height in. - 3

Weight (w/out batt.) oz. - 22.9

Weight (with batt.) oz. - 28.2

**Price: R7,438.80**

Availability: This product was added to our catalog on Monday 28 July, 2014