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NV100 Digital is a modern digital night vision device with an optical magnification of 3x and digital magnification in the 3-6x range. The heart of the device is a high sensitivity sensitive CMOS sensor 640x480. In daytime conditions the matrix offers a color image, and then we have a digital telescope with a magnification of 3 to 6x with image registration on the microSD card. In night conditions, the picture is characterized by good visibility of details and clarity even in difficult lighting conditions. The 3 W / 850 nm diode illuminator is almost invisible to the human eye, allowing discreet observation. The most important advantages

- high quality of obtained images, higher matrix resolution compared to competing solutions
- light and compact design
- possibility of recording the image directly on the microSD card inserted into the night vision device
- night vision goggles can be used both at night and at dusk and in the day - without the risk of its damage, as it is in analog night vision goggles.

Technical parameters

- Generation: night vision device
- Modes of operation: day / night (IR optional) / total darkness (with IR on)
- Zoom: 3x optical
- Digital zoom: multiplier 1x, 1.3x, 1.6x, 2x (magnification 3x, 3.9x, 4.8x, 6x)
- Lens: $\varnothing = 14.5$ mm, FOV = 14 °, sharpness from 1 m to +
- IR illuminator: built-in, diode, 850 nm, 3 W, emission power gradable
- Sensor: Highly sensitive CMOS color matrix, 1/5", 640x480
- Observation range in total darkness: 100 m
- Focus range (Diopter): +/- 5
- Display: 320x240 2" TFT LCD, 2x digital magnification (in-line magnification up to 3-6x)
- Power supply: 4.5-6 V (4xAA 1.5V 'sticks')
- Working temperature range: from -20 to + 35 ° C
- Operating time without replacing the power source: 3.5 hours (2 hours with lighting switched on)
- Tripod mount: YES, 1/4 inch (photographic standard)
- Signal / registration: format: CVBS, output: USB / AV, storage: built-in micro SD slot (accepts cards from 512 MB to 32 GB)
- Accessories included: USB cable, 1 GB mini SD card, AV cable
- Dimensions: 134 x 92 x 47 mm
- Weight: 250 g (without batteries)

Warranty 2 years See test / movie from this night vision device