



Night vision







# Goggles night vision



## Goggles night vision Gals G01



### Technical characteristics:

Night vision goggles Gals G01 are inexpensive device based on Gen.1 image intensifier tubes. Its optical configuration eliminates the need to adjust the interpupillary distance. The device is equipped with built -in infrared illuminator with 35 mW output power providing sufficient lighting to operate in complete darkness, power on indicator and IR illuminator on indicator, light overload protection, which is especially important for Gen.1 IITs. Coming with head mask providing comfortable wearing and flip-up ability with 90 deg. and 180 deg. fixing positions. Electric scheme of the device ensures low power consumption. Can be used as night vision binoculars with changeable lenses of different magnifications.



Magnification. X	1
Angle of vision, degr.	40
Lenses, focal length, mm	F26
Focus limit, m	0,25 ... ∞
Diopter range, dptr.	± 4
Interpupillary distance, mm	59 ... 69
Detection range, m	90
Operating temperature	-40C...+50C
Type of batteries	CR123A
Operating time, hour	60
Dimensions. mm	123x112x55
Weight, kg	0,58
Degree of protection by IEC 60529	IPX4

## Goggles night vision Gals PG21 | professional waterproof



### Technical characteristics:

Night vision goggles Gals PG21 available with Gen.2+ or Gen.3 image intensifier tubes. These goggles are compact and lightweight device with aluminum alloy made housing ensuring structural strength. The device is equipped with built-in infrared illuminator, light overload protection, power on and IR illuminator on indicators. Interpupillary distance can be adjusted. Comes with flip-up head mask (goggles configuration) or with various magnification additional changeable lenses or with 2X (5X) lens attachments to operate as the binocular.



NEW

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Angle of vision, degr.	40
Lenses, focal length, mm	F26
Focus limit, m	0,25 ... ∞
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## Goggles night vision Gals G21



### Technical characteristics:

Night vision goggles Gals G01 are inexpensive device based on Gen.1 image intensifier tubes. Its optical configuration eliminates the need to adjust the interpupillary distance. The device is equipped with built -in infrared illuminator with 35 mW output power providing sufficient lighting to operate in complete darkness, power on indicator and IR illuminator on indicator, light overload protection, which is especially important for Gen.1 IITs. Coming with head mask providing comfortable wearing and flip-up ability with 90 deg. and 180 deg. fixing positions. Electric scheme of the device ensures low power consumption. Can be used as night vision binoculars with changeable lenses of different magnifications.



Magnification. X	1
Angle of vision, degr.	40
Lenses, focal length, mm	F26
Focus limit, m	0,25 ... ∞
Diopter range, dptr.	± 4
Interpupillary distance, mm	60 ... 69
Detection range, m	190-250
Operating temperature	-40C...+50C
Type of batteries	CR123A
Operating time, hour	46
Dimensions. mm	118x112x62
Weight, kg	0,63
Degree of protection by IEC 60529	IPX4



# Monoculars

## night vision



### Monocular night vision Gals M17 "fox"

#### Technical characteristics:



Gen. 1+ night vision monocular Gals M17 was designed to replace the Gen.1 devices. Especially designed optical configuration enabled to fully eliminate distortion (curvature of the edges of the field of view) and to achieve uniform image on the entire screen surface. Due to Gen.1+ IIT and high-quality and coated glass optical parts the unit provides high resolution, bright and clear image. Gals M17 equipped with built-in IR illuminator. Long eye relief distance and special adaptive eye cup make it possible to combine it using special quick mount with day sight to obtain day/night complex. Also the Gals M17 has special rail to attach extra illuminators or to combine it with day sight using special mount or to fix it to helmet-mask (can be adjusted to operate using left or right eye). A line of extra lenses are available to get magnification up to 9,3X.



Magnification, X	1	3,5	4,5
Angle of vision, degr.	40	12	9
Lenses, focal length, mm	F26	F80	F100
Focus limit, m	0,25 ... ∞	5 ... ∞	7 ... ∞
Diopter range, dptr.	± 4	± 4	± 4
Detection range, m	120	250	300
Operating temperature	-40C...+50C	-40C...+50C	-40C...+50C
Type of batteries	CR123A	CR123A	CR123A
Operating time, hour	60	60	60
Dimensions, mm	154x54x74	215x68x82	272x61x88
Weight, kg	0,41	0,6	0,74
Degree of protection by IEC 60529	IPX4	IPX4	IPX4

### Monocular night vision Gals M21

#### Technical characteristics:



Gals M21 is the night vision monocular, available with Gen.2+ or Gen.3 image intensifier tubes with yellow-green or black and white image. It is lightweight and compact device with aluminum housing. It is equipped with built-in infrared illuminator, power and IR illuminator on indicators, light overload protection and user-friendly, simple and reliable microchip control unit with low power consumption. Flip-up strap head mask or additional lenses 3X, 4X, 5X, 6X are available. It is equipped with Weaver rail to mount additional external units (laser or LED powerful illuminator) or to be fixed to the head mask bracket, as well as to use special adapter to combine the Gals21 with day sight to use as night attachment.



Magnification, X	1	3	5,5
Angle of vision, degr.	40	14	
Lenses, focal length, mm	F26	F80	F140
Focus limit, m	0,25 ... ∞	7 ... ∞	15 ... ∞
Diopter range, dptr.	± 4	± 4	± 4
Detection range, m	150-200	400-500	500-700
Operating temperature	-40C...+50C	-40C...+50C	-40C...+50C
Type of batteries	CR123A	CR123A	CR123A
Operating time, hour	60	60, 35	60
Dimensions, mm	145x54x65	209x58x79	270x82x92
Weight, kg	0,45	0,64	1,1
Degree of protection by IEC 60529	IPX4	IPX4	IPX4

### Monocular night vision Gals M22 | professional waterproof

#### Technical characteristics:



Gals M22 is the professional night vision monocular, available with Gen.2+ or Gen.3 image intensifier tubes. It is waterproof device in compliance with IP67 protection degree equipped with desiccant cartridge and can be filled with dry air or nitrogen. Specially designed optical configuration including 5-lens lens and 6-lens eyepiece provides sharp and high-contrast image and uniform picture in the entire field of view with no distortion. The device is equipped with Weaver rail to mount additional IR illuminator or to fix it to helmet-mask (can be adjusted to operate using left or right eye). It can be combined with a day sight using special adapters and quick mount KMI6W to operate as the night riflescope. Additional changeable lenses 3X, 4X, 5X, 6X are available. Gals M22 have power on and IR illuminator on indicators and equipped with light overload protection and can be equipped optionally with gain control function.



Magnification, X	1	3	5,5
Angle of vision, degr.	40	14	8
Lenses, focal length, mm	F26	F80	F140
Focus limit, m	0,25 ... ∞	7 ... ∞	15 ... ∞
Diopter range, dptr.	± 4	± 4	± 4
Detection range, m	150-200	400-500	500-700
Operating temperature	-40C...+50C	-40C...+50C	-40C...+50C
Type of batteries	CR123A	CR123A	CR123A
Operating time, hour	60	60, 35	60
Dimensions, mm	144x55x65	210x58x79	270x82x92
Weight, kg	0,46	0,65	1,1
Degree of protection by IEC 60529	IPX4	IPX4	IPX4





# Singhts night vision



## Sight hunting night vision Gals NS01

Night vision riflescope Gals NS01 is inexpensive device based on Gen.I image intensifier tube. The device has microchip control unit, built-in infrared illuminator, power and IR illuminator on indicators, comfortable internal lens focusing. The scope had passed shock test at 500G. The device is equipped with Weaver rail for additional accessories installation. Available with Weaver or Europrism mount.



### Technical characteristics:

Magnification. X	2,5
Angle of vision, degr.	12
Lenses, focal length, mm	F80/1,3
Focus limit,	7 ... ∞
Diopter range, dptr.	±4
Eye relief distance, mm	45
Sighting line correct. scale value for, mm	10
Maximum impact load, g	500
Detection range, m	200
Operating temperature	-40C...+50C
Type of batteries	CR123A
Operating time, hour	60
Dimensions. mm	260x94x70
Weight, kg	1,1
Degree of protection by IEC 60529	IPx4

## Sight hunting night vision sight Gals NS11

Hunting night vision sight Gals NS11(Gen. I+) is a reliable sight with a solid-metal case, 'power on/off' and 'low battery' indicators, aiming mark "Mil Dot" type with regulated brightness. The built-in IR – illuminator adjustable to the angle of the light beam provides a range of vision and aiming of 450 meters in very low light.



### Technical characteristics:

Magnification. X	3
Angle of vision, degr.	10
Lenses, focal length, mm	F100/1,4
Focus limit,	7 ... ∞
Diopter range, dptr.	±4
Eye relief distance, mm	45
Sighting line correct. scale value for, mm	10
Maximum impact load, g	500
Detection range, m	300
Operating temperature	-40C...+50C
Type of batteries	CR123A
Operating time, hour	60
Dimensions. mm	293x106x86
Weight, kg	1,04
Degree of protection by IEC 60529	IPx4

## Sight hunting night vision NS21 (3X)

Sight hunting night vision 2+/3 generation Gals NS21 is compact, low profile, lightweight and modern. A solid-metal case. High-quality optics. Microprocessor-controlled modes of operation, low power consumption, 'power on/off' and 'low battery' indicators. Built-in IR – illuminator. Branded red aiming mark "Mil Dot" type with regulated brightness. It can be used with any kinds of hunting rifled or smooth-bore barrels.



### Technical characteristics:

Magnification. X	2,8	3,6
Angle of vision, degr.	12	10
Lenses, focal length, mm	F80/1,6	F100/1,7
Focus limit,	5 ... ∞	9 ... ∞
Diopter range, dptr.	±4	±4
Eye relief distance, mm	45	45
Sighting line correct. scale value for, mm	10	8
Maximum impact load, g	500	500
Detection range, m	280-500	300-550
Operating temperature	-40C...+50C	-40C...+50C
Type of batteries	CR123A, AA	CR123A, AA
Operating time, hour	60	60
Dimensions. mm	229x97x75	285x97x75
Weight, kg	0,82	0,92
Degree of protection by IEC 60529	IPx4	IPx4



# Singhts night vision



## Sight hunting night vision NS21 (4X)



Sight hunting night vision 4 generation Gals NS21 is a professional hunting sight. The optimal combination of price and quality. It is available with two 5X and 6X lenses with internal focus. There are 'power on/off' and 'low battery' indicators, a rail to fasten an additional powerful infra-red illuminator. It is adaptable to any type of hunting weapon. Under the order it can be equipped with light overload protection, a cartridge of dewatering, input to fill with dry air or nitrogen, a socket for remote power supply.



### Technical characteristics:

Magnification. X	4
Angle of vision, degr.	10
Lenses, focal length, mm	F100/1,7
Focus limit,	9 ... ∞
Diopter range, dptr.	±4
Eye relief distance, mm	45
Sighting line correct. scale value for, mm	8
Maximum impact load, g	500
Detection range, m	300-550
Operating temperature	-40C...+50C
Type of batteries	CR123A, AA
Operating time, hour	60
Dimensions. mm	285x97x75
Weight, kg	0,92
Degree of protection by IEC 60529	IPx4

## Hunting night vision sight Gals NS22 (5X)



Hunting night vision sight Gals NS11(Gen. 1+) is a reliable sight with a solid-metal case, 'power on/off' and 'low battery' indicators, aiming mark "Mil Dot" type with regulated brightness. The built-in IR – illuminator adjustable to the angle of the light beam provides a range of vision and aiming of 450 meters in very low light.



### Technical characteristics:

Magnification. X	5
Angle of vision, degr.	10
Lenses, focal length, mm	F100/1,4
Focus limit,	7 ... ∞
Diopter range, dptr.	±4
Eye relief distance, mm	45
Sighting line correct. scale value for, mm	10
Maximum impact load, g	500
Detection range, m	290-550
Operating temperature	-40C...+50C
Type of batteries	CR123A, AA
Operating time, hour	60, 35
Dimensions. mm	350x88x85
Weight, kg	1,22
Degree of protection by IEC 60529	IPx4

## Hunting night vision sight Gals NS22 (6X)



Hunting night vision sight Gals NS22 6x is a professional hunting sight. The optimal combination of price and quality. It is available with two 5X and 6X lenses with internal focus. There are 'power on/off' and 'low battery' indicators, a rail to fasten an additional powerful infra-red illuminator. It is adaptable to any type of hunting weapon. Under the order it can be equipped with light overload protection, a cartridge of dewatering, input to fill with dry air or nitrogen, a socket for remote power supply.



### Technical characteristics:

Magnification. X	6
Angle of vision, degr.	8
Lenses, focal length, mm	F140/1,9
Focus limit,	15 ... ∞
Diopter range, dptr.	±4
Eye relief distance, mm	45
Sighting line correct. scale value for, mm	8
Maximum impact load, g	500
Detection range, m	400-700
Operating temperature	-40C...+50C
Type of batteries	CR123A, AA
Operating time, hour	60, 35
Dimensions. mm	380x94x84
Weight, kg	1,5
Degree of protection by IEC 60529	IPx4





# Binoculars

## night vision



### Binoculars night vision Gals B11

#### Technical characteristics:



Gals B11 are professional night vision binocular, available with Gen.I+ image intensifier tubes with yellow-green image. The device has two independent image intensifying channels to improve picture quality, improving objects detecting range under low light conditions. Gals B11 creates familiar to the eye three-dimensional stereoscopic image, allowing you to thoroughly assess the situation when performing operations. It is equipped with built-in focusable infrared illuminator, light overload protection, power and IR illuminator on indicators. Its housing is made of aluminum alloy to ensure lightweight, strength and internal parts protection.



Magnification. X	3	4
Angle of vision, degr.	13	10
Lenses, focal length, mm	F80/1,5	F100/1,7
Focus limit, m	5 ... ∞	8 ... ∞
Diopter range, dptr.	± 4	± 4
Interpupillary distance, mm	60 ... 69	60 ... 69
Detection range, m	500-650	500-680
Operating temperature	-40C...+50C	-40C...+50C
Type of batteries	CR123A	CR123A
Operating time, hour	46	46
Dimensions. mm	179x122x62	192x132x70
Weight, kg	1,1	1,2
Degree of protection by IEC 60529	IPX4	IPX4

### Binoculars night vision Gals PB21

#### Technical characteristics:



Binocular night vision 2+/3 generations Gals PB21 are the most compact of their kind, modern night-vision binoculars. Equipped with automatic brightness control, protection from bright illumination, the cartridge of dewatering, the input to fill with dry air or nitrogen, 'power on/off' and 'low battery' indicators, built-in infrared illuminator. They have a base of eyes adjustable in a wide range (58-72mm), convenient push-button controls of operating modes, a rail to mount an additional infrared illuminator. Available with lenses of 3x, 4x, 5,5 x.



Magnification. X	3	4	5,5
Angle of vision, degr.	12	10	8
Lenses, focal length, mm	F80/1,5	F100/1,5	F140/1,9
Focus limit, m	5 ... ∞	8 ... ∞	12 ... ∞
Diopter range, dptr.	± 4	± 4	± 4
Interpupillary distance, mm	59 ... 72	59 ... 72	59 ... 72
Detection range, m	350-550	400-600	450-650
Operating temperature	-40C...+50C	-40C...+50C	-40C...+50C
Type of batteries	2 x AAA	2 x AAA	2 x AAA
Operating time, hour	55	55	55
Dimensions. mm	219x115x63	225x115x72	2280x115x82
Weight, kg	0,74	0,9	1,12
Degree of protection by IEC 60529	IPX4	IPX4	IPX4

### Binoculars night vision Gals B21

#### Technical characteristics:



Binoculars night vision 2+/3 generation Gals B21 are binoculars for professionals with high demands on image quality. Binocular configuration of the device implements a high-quality stereoscopic images, which leads to greater recognition distance of 1.5 times in comparison with the monocular and pseudo binoculars. Binoculars are produced with magnification of 3x and 4x. Equipped with automatic brightness control, protection from bright illumination, the cartridge of dewatering, the input to fill with dry air or nitrogen, 'power on/off' and 'low battery' indicators, built-in infrared illuminator. They have convenient push-button controls of operating modes, a rail to mount an additional IR-illuminator.



Magnification. X	3	4
Angle of vision, degr.	13	10
Lenses, focal length, mm	F80/1,5	F100/1,7
Focus limit, m	5 ... ∞	8 ... ∞
Diopter range, dptr.	± 4	± 4
Interpupillary distance, mm	60 ... 69	60 ... 69
Detection range, m	500-650	500-680
Operating temperature	-40C...+50C	-40C...+50C
Type of batteries	CR123A	CR123A
Operating time, hour	46	46
Dimensions. mm	179x122x62	192x132x70
Weight, kg	1,1	1,2
Degree of protection by IEC 60529	IPX4	IPX4





► F26



► F80



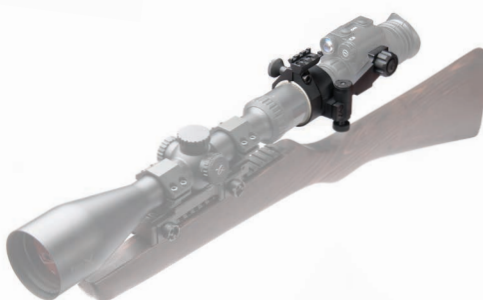
► F100



► F140



► Adapter SM-2PRO



► Adapter SM-2



► Adapter SM-1



► Quick bracket W/P



► Bracket KM-10W



► Adapter head mask PVS7



► Laser illuminator Gals GL 01



► Infrared Illuminator Gals IR01



► Head mask





► Gals MN 23

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