

# Night Vision Devices **EDGE**

## CF-Super Technology

At the core of Pulsar GS line is a unique R-Contact optics and CF-Super image intensifier tube combination specially designed to provide the highest edge-to-edge resolution performance ever seen in cost-conscious consumer night vision products.



### **Built-In IR Illuminator**

The Edge night vision devices are equipped with various built-in IR illuminators.

The Edge GS 1x20 NV Goggles are equipped with an energy-conserving, wide-angled IR illuminator.

The device can be head-mounted.

The IR's versatility is also useful for map reading and close-quarter illumination in extreme lowlight conditions. The Edge 3.5x50L features a powerful IR illuminator perfect for use in low light at greater distances.

Edge binoculars & Goggles are also equipped with gradual IR illuminator power adjustability

### **Head Mount**

The Pulsar Compact Head Mount, included with Edge GS 1x20 Night Vision Goggles, offers hands-free night vision viewing.

The Compact Head Mount positions the Edge perfectly in front your eyes and provides amazing stability, even during rapid movement, i.e. walking, running and other abrupt movements, while an ergonomic design keeps the suspension-point close for reduced load on the neck and overall fatigue.

Combined with a night vision device, the Compact Head Mount is ideal for high-tech military-inspired games, night hiking, surveillance, trekking to and from hunting positions, etc.



### **Edge GS Tube Protection**

The Edge GS features an image intensifier tube protection system. Once a luminance threshold is exceeded, current feed to the tube is automatically reduced for ceased, resulting in optimum tube performance.

CF-Super Technology includes a number of advantages:



**⚡ Lack of distortion**

Stable, distortion-free imaging at center as well as the peripheral area.

**⚡ Effective field of view**

High resolution and geometric image precision provided by devices utilizing CF-Super technology provide effective observation at any position within the field of view.

By comparison, decent image quality with Gen. 1 devices is generally only found at the center of the field of view.

**⚡ High resolution**

The CF-Super tube features, on average, 20% higher resolution than available with Gen. 1 devices.

**⚡ Constant image quality across the entire field of view**

CF-Super's resolution is notable for its consistency (resolution difference between the center/periphery does not exceed 20%, in comparison to center/periphery resolution five times greater with Gen 1 devices).



## Device's Elements

**⚡ Body:** The Edge's rugged metal and carbon-filled composite body protects fragile internal components against moisture, dust and impacts, even in extreme environments.

**⚡ Eyepiece:** The Edge night vision binoculars & goggles include 5-lens eyepieces designed to increase image sharpness and contrast, and minimize distortion throughout the field of view.

**⚡ Weaver Rail:** A Weaver rail attached to Edge devices provides the perfect solution for adding accessories like IR flashlights.

**⚡ Eyecup:** The soft rubber eyecup increases viewer comfort while trapping light emission from the device for improved concealment.

**⚡ Controls:** The Edge GS is easy to operate with ergonomic, easy-to-access respective On and IR buttons. The Edge is even equipped with gradual IR illuminator power adjustability.

CF-Super Technology includes a number of advantages:

Specifications

DESCRIPTION	EDGE GS 1X20	EDGE GS 3.5X50
<b>Main</b>		
Image Intensifier Tube	CF-Super 1+	CF-Super 1+
Magnification, x	1	3.5
Field of view (HxV), degrees / m@100m	36 / 65	12 / 23
Detection range, m	90	220
<b>Image Intensifier</b>		
Generation	1+	1+
Tube Type	EP33-CF-U (CF-Super)	EP33-CF-U (CF-Super)
<b>Optics</b>		
Objective lens	F27/1.35	F70/1.4
Magnification, x	1	3.5
Field of view (HxV), degrees / m @ 100 m	36 / 65	12 / 23
Eye relief, mm	12	12
<b>Infrared Illuminator</b>		
Emitter	LED	LED
IR wavelength, nm	805	805
<b>Range Performance</b>		
Detection range, m	90	220
<b>Environmental Characteristics</b>		
Operating temperature range	-20 – +40	-20 – +40
<b>Weight &amp; Size</b>		
Dimensions, mm	163x113x60	203x122x65
Weight, kg	0.85 (with head mount)	0.85
<b>Power Supply</b>		
Output voltage, V	3	3
Battery type	2xAAA	2xAAA
<b>Connections and Compatibilities</b>		
Head Mount	Included	-