

# WGHS01

## Optical Waveguide Sight

1x optical waveguide sight - 5000 h runtime, 1200 G shock, IP68, OEM branding available

The WGHS01 is a 1x optical waveguide sight for submachine guns, assault rifles and other medium-range weapons. It supports binocular, both-eyes-open aiming at targets within 300 metres, with an automatic brightness system that adapts the reticle to ambient light.

Battery life sets it apart from conventional red-dot sights: at least 5000 hours of continuous operation from a single CR123A at medium brightness, with automatic standby power saving. The unit is rated to 1200 G shock and IP68, and for OEM and ODM customers the brand and model name can be marked directly on the sight body.

### KEY FEATURES

- 5000+ hours continuous runtime from one CR123A
- Binocular aiming, effective to 300 m
- Automatic brightness adaptation to ambient light
- 1200 G shock resistance and IP68 waterproof rating
- 7 reticle patterns, 20 daytime + 10 night-vision levels
- OEM / ODM: customer brand and model marking available

### TECHNICAL SPECIFICATIONS

|                                 |                                                                                                                                       |
|---------------------------------|---------------------------------------------------------------------------------------------------------------------------------------|
| Model                           | WGHS01                                                                                                                                |
| Magnification                   | 1x                                                                                                                                    |
| Aiming                          | Binocular (both eyes open)                                                                                                            |
| Effective range                 | within 300 m                                                                                                                          |
| Reticle patterns                | 7 types: 2.5 MOA dot / 65 MOA circle / dot+circle / crossline / crossline+dot / crossline+circle / crossline+25 MOA dot+65 MOA circle |
| Battery                         | CR123A                                                                                                                                |
| Continuous runtime              | >= 5000 hours (medium brightness)                                                                                                     |
| Brightness levels               | 20 daytime + 10 night vision                                                                                                          |
| Battery check                   | Manual active check                                                                                                                   |
| Low battery alert               | Flashing reticle                                                                                                                      |
| Auto standby                    | Power saving supported                                                                                                                |
| Machining                       | CNC machined                                                                                                                          |
| Click adjustment range          | +/- 40 MOA (elevation and windage)                                                                                                    |
| Click adjustment increment      | 0.5 MOA per click                                                                                                                     |
| Mount                           | Standard Picatinny rail                                                                                                               |
| Overall dimension               | 80 x 58 x 58 mm                                                                                                                       |
| Sight height (bore axis offset) | 42 mm                                                                                                                                 |
| Weight                          | 240 g (excluding battery)                                                                                                             |
| Operating temperature           | -40 C to +65 C                                                                                                                        |
| Storage temperature             | -45 C to +70 C                                                                                                                        |
| Shock resistance                | 1200 G                                                                                                                                |
| Waterproof rating               | IP68                                                                                                                                  |
| OEM marking                     | Customer brand and model can be marked on sight body                                                                                  |

### TYPICAL APPLICATIONS

Medium-range engagements, patrol and law enforcement, tactical training, hunting, OEM/ODM sight programmes with customer branding.