## OLYMPUS | BASICS

### HOW TO READ THE NUMERICAL INFORMATION

**Code for Binoculars**

<table>
<thead>
<tr>
<th>Model</th>
<th>PROFESSIONALS</th>
<th>STANDARD</th>
<th>COMPACT</th>
</tr>
</thead>
<tbody>
<tr>
<td>Eye separation (mm)</td>
<td>60-70</td>
<td>60-70</td>
<td>58-70</td>
</tr>
<tr>
<td>Angle of view (°)</td>
<td>36.0°</td>
<td>46.4°</td>
<td>65°</td>
</tr>
<tr>
<td>Objective Lens Diameter (mm)</td>
<td>42</td>
<td>50</td>
<td>25</td>
</tr>
<tr>
<td>Magnification</td>
<td>10x</td>
<td>8x</td>
<td>10x</td>
</tr>
<tr>
<td>Field of View (°)</td>
<td>129</td>
<td>192</td>
<td>114</td>
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### MAIN FEATURES

**Objective Lens Diameter:**
- The diameter of the objective lens determines the binocular’s light-gathering power.
- Larger lenses are needed for long-range viewing or in poor light conditions.

**Magnification:**
- The magnification factor is the ratio of the apparent size of an object to its true size.
- A higher magnification provides a closer view but reduces the field of view.
- A lower magnification increases the field of view but reduces the clarity of the image.

**Field of View:**
- The field of view is the angular width of the image that can be seen through the binoculars.
- A wider field of view is better for finding objects quickly.

**Exit Pupil:**
- The exit pupil is the diameter of the light image visible through the exit pupil of the eyepiece.
- A larger exit pupil is better for night vision.

**Exit pupil dilation:**
- The exit pupil dilation is the range of dilations of the pupil that the human eye can tolerate.

**Prism Type:**
- The type of prism used in the binoculars can affect the size, weight, and optical performance.

**Fully multi-coated:**
- Each lens is multi-coated, ensuring high optical performance in any lighting condition.

**BaK-4:**
- A type of optical glass that is used for the binocular’s lenses.

**Porro Prisms:**
- A type of prism used in binoculars, providing a wide field of view and a large exit pupil.

**Rubberized coating:**
- Ensures a non-slip grip and protection against scratches.

### GUARANTEED QUALITY

- Olympus binoculars are guaranteed to provide decades of optical precision.
- The key criterion for excellent sharpness, contrast and light transmission is the optical precision of the prisms and lenses.

### HIGH-GRADE OPTICAL COMPONENTS

- High-grade optical materials and components ensure outstanding quality.
- The quality of the prisms and lenses is critical to the image quality.

### OLYMPUS | BASICS

**HOW TO USE THE NUMERICAL INFORMATION FOR CODES FOR BINOCULARS**

<table>
<thead>
<tr>
<th>Magnification</th>
<th>Objective Lens Diameter</th>
<th>Field of View (°)</th>
<th>Exit Pupil</th>
<th>Exit pupil dilation</th>
</tr>
</thead>
<tbody>
<tr>
<td>10x</td>
<td>42</td>
<td>129</td>
<td>4.3</td>
<td>3.0-4.7</td>
</tr>
<tr>
<td>8x</td>
<td>42</td>
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### CODE FOR BINOCULARS

- The code for binoculars follows a specific format: Magnification_x_y.
- The first number represents the magnification, and the second number represents the objective lens diameter.

### WATERPROOF

- The binoculars are designed to withstand water exposure.
- The rating indicates the level of protection against water ingress.

### UV PROTECTION

- The binoculars are equipped with UV protection to safeguard the user’s eyes.

### DIOPTER ADJUSTMENT

- Diopter adjustment is provided to accommodate different user’s prescriptions.
- It ensures comfortable viewing without glasses.

### EYE RELIEF

- The eye relief is the distance from the rear eyepiece lens to the eye point, allowing comfortable viewing with eyeglasses.

### EXIT PUPIL

- The exit pupil is the diameter of the light image visible through the exit pupil of the eyepiece.
- A larger exit pupil is better for night vision.

### NEAR FOCUS DISTANCE

- The near focus distance is the shortest distance at which the binoculars can focus.

### EYE INTERVAL ADJUSTMENT

- The eye interval adjustment is provided to accommodate different user’s eye distances.
- This ensures comfortable viewing for users who wear eyeglasses.

### ADJUSTABLE EYEPIECE

- The adjustable eyepiece provides additional comfort for users who wear eyeglasses.

### TUBE SHARP, RAZOR-DIMENSIONAL

- The binoculars are designed for professional use, offering high-quality performance.

### BAK-4

- A type of optical glass used for the binocular’s lenses.
- It ensures high optical performance in any lighting condition.

### ROOF PRISMS

- A type of prism used in binoculars, providing a wide field of view and a large exit pupil.

### MULTI-COATED LENSES

- Multi-coated lenses enhance optical performance and reduce glare.

### 10X42 EXPS I

- A model of binoculars with 10x magnification and 42mm objective lens diameter.

### 8X42 PROFESSIONALS

- A model of binoculars with 8x magnification and 42mm objective lens diameter.

### 12X50 EXPS I

- A model of binoculars with 12x magnification and 50mm objective lens diameter.

### 10X25 WP II

- A model of binoculars with 10x magnification and 25mm objective lens diameter.

### 8X21 RC II WP

- A model of binoculars with 8x magnification and 21mm objective lens diameter.

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Olympus offers a wide range of binoculars suitable for a whole variety of activities. From elegant pocketsize binoculars for cultural events to stylish, waterproof binoculars for outdoor fans all the way up to professional binoculars for ambitious nature enthusiasts.

Before purchasing binoculars it’s important to choose the main activity they will be used for. The recommended use icons used throughout this brochure should help with finding the right binoculars. For further help there are specification tables where easy comparisons can be made on magnification, field of view, exit pupil, ease of use (size, weight), suitability for wearers of glasses & design.

**Recommended use icons**

- **General Use**
- **Watersports**
- **Travelling**
- **Camping/Hiking**
- **Bird Watching**
- **Theatre/Indoor Events**
- **Sports/Events**
- **Astronomy**
- **UV protection**
- **Protection of ultraviolet rays.**
- **Waterproof**
- **Waterproof binoculars can be submerged to a depth of 1 metre for up to 5 minutes.**
- **Wide**
- **Wide-angle for a wider view.**
- **Zoom**
- **Binoculars with zoom function bring the subject even closer. Olympus offers, depending on model, 8-16x or 10-30x zoom.**
- **BaK-4**
- **Precisely ground prisms and lenses made of brightness-enhancing barium crown glass (BaK-4) ensure clarity and brightness to the very edge of the field of view. Olympus offers an extensive range of high-quality binoculars with BaK-4.**

**Olympus Europa Holding GmbH**

www.olympus-europa.com