AX VISIO
BEYOND
SEEING

1 **OBSERVE**
Experience nature in a whole new level of vibrancy.
The SWAROVISION technology promises spectacular
color intensity and depth of detail as well as
uncompromising image definition.

2 **IDENTIFY**
Expand your knowledge with every observation.
The AX Visio assists with identifying birds and other
creatures at the touch of a button.

3 **SHARE DISCOVERIES**
Easily guide companions directly to your observation point.

SWAROVSKI
OPTIK

SEE THE *UNSEEN*

EVERYTHING AT A GLANCE

As the first smart binoculars, the AX Visio with integrated apps open up access to nature and learning experiences with useful extra functions and different identification options – combined with outstanding optical observation quality.

OVERVIEW OF FUNCTIONS

Thanks to integrated apps, the AX Visio binoculars function independently and separately from the smartphone. The smartphone apps are required to change settings and transfer data between the AX Visio and the smartphone.

INTEGRATED AX VISIO APPS
- Bird ID
- Mammal ID
- Share Discoveries
- Compass
- Camera (Photo & Video)
- Butterfly ID*
- Dragonfly ID*
- 3rd party developer interface
* currently for Europe

SMARTPHONE APPS
- SWAROVSKI OPTIK Outdoor App
- Merlin Bird ID
- SWAROVSKI OPTIK Wildlife ID

MERLIN BIRD ID
The integrated Bird ID app in the AX Visio and Merlin Bird ID, developed by Cornell for smartphones, are two different apps. Bird ID is based on Cornell's model and learning data, but has been modified and optimized for integration in the AX Visio.

New Version of Merlin Bird ID
With the launch of the AX Visio, there is a new version of the Merlin Bird ID app. Only this version supports communication with the AX Visio. It is therefore important to install this new Merlin Bird ID app on your smartphone.

WILDLIFE ID
The Swarovski Optik Wildlife ID smartphone app is the model on which the integrated Mammal ID, Butterfly ID, and Dragonfly ID apps in the AX Visio are based.

SWAROVSKI OPTIK OUTDOOR APP
The SWAROVSKI OPTIK Outdoor App allows you to transfer data to your cell phone and manage settings. The Live View feature (turn the mode selection wheel on the AX Visio to the camera symbol) makes it possible to share the view with up to four other smartphones using a QR code. The Outdoor App needs to be installed on these devices as well to be able to connect to the Live View with the AX Visio. In the app, select "I don't have an AX Visio" (Settings – Connectivity) and scan the QR code shown on the master device. No identification is possible in Live View mode. When installing the app, please accept all system prompts (permission for access to photos, location, etc.), otherwise you will not be able to use all the functionalities of the app (for example, no photos can be saved). We recommend always running the updates available in the App Garden of the SWAROVSKI OPTIK Outdoor App.

IDENTIFICATION

Two different sizes of circle can be selected for identification support (using the arrow button). For a good identification result, it is important to select the size of circle that best captures the entire bird.

With Geolocation, the geographic location is factored into the identification process. This always runs automatically in the background if there is an available GPS signal (usually no signal in buildings). Without GPS, just one segment of the circle will be shown in bold in the field of view. As soon as there is a signal, depending on the detection quality, up to 4 segments are shown in bold – the more segments displayed in bold, the higher the probability of a correct result. The number of quarter segments shown with the identification result indicates the reliability of the result – the more segments, the more reliable the result.

Release button pressed halfway down

Constantly illuminated AF point

Release button pressed through

Shutter release Autofocus

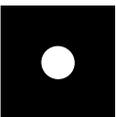Autofocus completed

Bird detected

Trigger identification

Cedar Waxwing

Bird identified

For **sharp images and successful identification**, it is important to set the manual focus clearly before starting the identification process. As soon as the process is initiated (press the release button halfway), the AX Visio's autofocus starts to work. From this point onwards, any further fine adjustment of the focusing wheel is counterproductive for a successful analysis and good image result.

Other factors that influence identification are the size and distance of the bird, blurring caused by shaking, as well as the light and environmental situation.

SHARE DISCOVERIES

For most effective use of this function, we recommend approximately the same physical location for observing and transferring. In other words, the second person should not be too far from the observation position (max. 1 meter/3.3 feet).

AX VISIO LANGUAGE SETTING

MERLIN BIRD ID

The language used to display bird names in the AX Visio is set in the Merlin Bird ID app on your smartphone: activate AX Visio under Settings – Devices Swarovski Optik. You can then choose your preferred display language under *SPECIES NAME DISPLAY (IN DEVICE)*. If required, another language can be shown in the second line. To set the required language, turn the mode selection wheel on the AX Visio to Bird ID and ensure the device is in active mode.

The language selected under Settings – Bird name language applies only to the display language in the smartphone app.

SWAROVSKI OPTIK OUTDOOR APP

The SWAROVSKI OPTIK Outdoor App uses the language selected for the smartphone operating system. This can be changed in the smartphone's app settings.

BASIC SETTINGS

In the case of any kind of visual impairment, a correct diopter setting is important to allow the AX Visio's camera to provide sharp images. Otherwise, the camera's autofocus is unable to compensate for blurring.

The first time you connect your AX VISIO to your smartphone in the SWAROVSKI OPTIK Outdoor App, you will be prompted to enter a 6-digit code, which is displayed in the AX VISIO. This code is requested during the app onboarding. After clicking on "Look for AX Visio", click on the serial number displayed. The pairing process then starts and the code is displayed in the AX Visio.

The display is situated in the right optical channel of the AX Visio. The brightness of the display can be adjusted in the SWAROVSKI OPTIK Outdoor App under Settings (5 levels). The AX Visio automatically adjust the selected brightness of the display based on ambient light levels.

CAMERA AND SAVING IMAGES

With its 13 MP sensor (4208 x 3120 px), the AX Visio's integrated camera provides a 4K resolution (1920 x 1080 px) for videos. The internal memory of 8 GB can store around 1,700 photos or 1 hour of video in full quality.

Photos can be loaded using the Outdoor App, Merlin Bird ID, or Wildlife ID app. All photos are automatically sent to a special AX Visio folder created in the smartphone memory. In each case, all photos are transferred from the AX Visio.

SUPPLIED WITH

- Charger and USB charging cable
- RB rechargeable battery
- FSB functional sidebag
- UCS carrying strap
- Objective lens cover and eyepiece cover
- Operating instructions
- Cleaning cloth
- Strap loop connector
- Soap and brush

ACCESSORIES

- CSO Cleaning Set Optics
- RB rechargeable battery
- BSP bino suspender pro
- UTAs universal tripod adapter
- WES winged eyecup set
- FSSP floating shoulder strap pro

TECHNICAL DATA

	AX VISIO 10x32 W B
Magnification	10
Effective objective lens diameter (mm)	32
Exit pupil diameter (mm)	3.26
Exit pupil distance (mm)	17.8
Field of view (m/1,000 m/ft/1,000 yds)	112/336
Field of view (degrees)	6.4
Field of view, eyeglass wearers (degrees)	6.4
Field of view, apparent (degrees)	60
Shortest focusing distance (m/ft)	3/9.8
Diopter adjustment (dpt)	-7 to +5
Diopter correction at ∞ (dpt)	5
Interpupillary distance (mm/in)	56 - 74/2.2 - 2.9
Light transmission (%)	88
Twilight factor based on ISO 14132-1	17.9
Approx. L* x W** x H** (mm/in)	154 x 137 x 96/6.1 x 5.4 x 3.8
Weight approx. (g)	1,090
Camera resolution (effective)	13 MP (4208 x 3120 px)
Battery	Li-Ion 3,000 mAh
Add-on program (app)	SWAROVSKI OPTIK Outdoor App, Merlin Bird ID, SWAROVSKI OPTIK Wildlife ID
Interface	Wi-Fi und Bluetooth Low Energy (BLE)
Internal operating system	Embedded Android

Functional temperature Electronics: -10°C to +50°C (+14/+122°F) · Functional temperature Mechanics: -25°C to +55°C (-13/+131°F) · Storage temperture: -30°C to +70°C (-22/+158°F) · * with eyecups twisted-in · ** with an interpupillary distance of 64 mm

We grant for this product, from the date of purchase for a period of 3 years for the instrument and charger and 1 year for the battery worldwide warranty and goodwill services according to the applicable SWAROVSKI OPTIK warranty and guarantee conditions. More details about the AX Visio, other SWAROVSKI OPTIK products, and repairs and services can be found at myservice.swarovskioptik.com

SWAROVSKI OPTIK