TQSKY T1
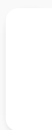
TQSKY T1 AR Smart Glasses User Manual
Model: T1

1. INTRODUCTION

This manual provides essential information for the proper setup, operation, and maintenance of your TQSKY T1 AR Smart Glasses. Please read this manual thoroughly before using the product to ensure optimal performance and safety.

The TQSKY T1 AR Smart Glasses offer an immersive audiovisual experience with a 150-inch virtual Micro-OLED display, 1080P resolution, and directional audio. Designed for portability and comfort, they are compatible with various devices including smartphones, PCs, and gaming consoles.

2. WHAT'S IN THE BOX

Verify that all items are present in your package:

- TQSKY T1 Smart Glasses ×1
- T-box ×1
- Type-C Cable ×1
- User Manual ×1
- Blue Fashionable Glasses Lenses ×1
- Black Lenses ×1
- Cleaning Cloth ×1

Image: TQSKY T1 Smart Glasses and T-Box. The image displays the T1 smart glasses with blue lenses and the accompanying T-Box controller, highlighting the main components of the product.

3. PRODUCT OVERVIEW

3.1 Physical Dimensions
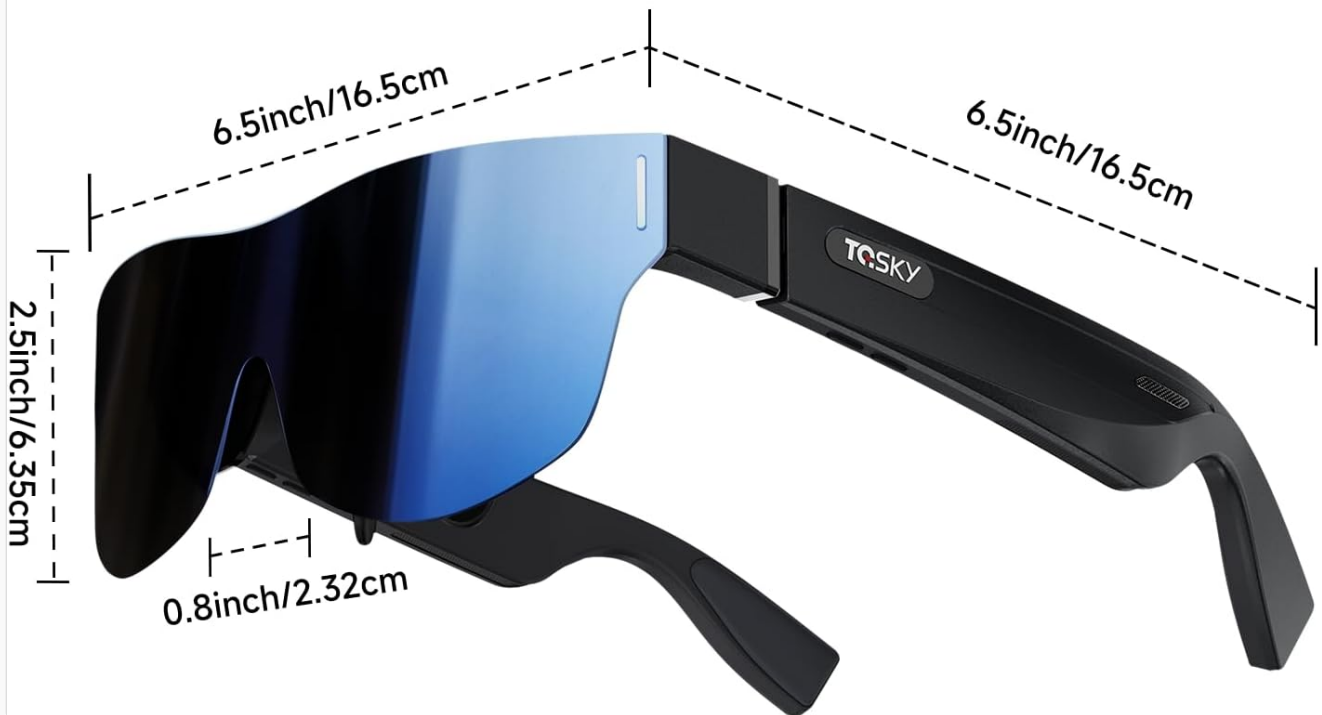
TQSKY T1-Audio-video glasses size

Image: TQSKY T1 Smart Glasses Dimensions. This image illustrates the physical dimensions of the T1 glasses, showing measurements for width, height, and lens depth.

3.2 Key Features

- **Micro-OLED Virtual Display:** Experience a 150-inch virtual screen with 1080P resolution and 60Hz refresh rate.
- **BirdBath Optical Engine:** Achieves up to 1800 nits brightness and 55 pixels per degree (PPD) for clear visuals.
- **Directional Audio:** Integrated dual speakers provide rich, deep sound with controlled sound wave propagation for privacy.
- **Myopia Adjustment:** Built-in diopter adjustment from 0 to -6.00D, eliminating the need for prescription glasses.
- **Eye Comfort:** TÜV Rheinland certified for low blue light and flicker-free display.
- **Portability:** Lightweight design (79g) for comfortable extended use.
- **Magnetic Shade:** Included for enhanced viewing in bright environments.
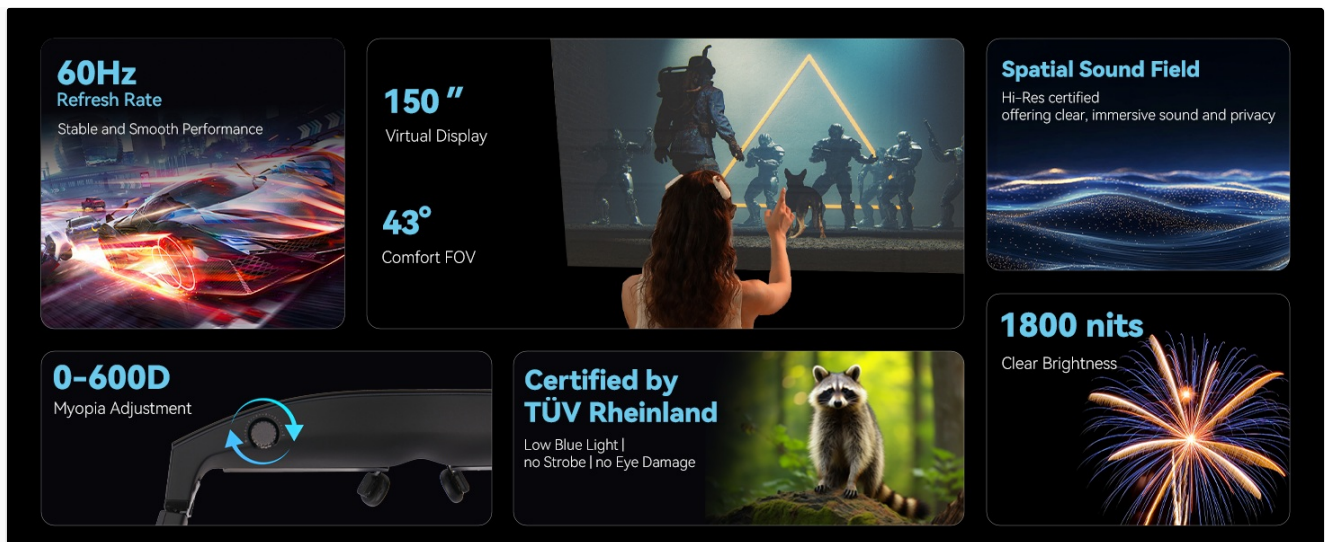
Image: TQSKY T1 Key Features Overview. This graphic highlights the main features including 60Hz refresh rate, 150-inch virtual display, 43-degree FOV, spatial sound, 0-600D myopia adjustment, TÜV Rheinland certification, and 1800 nits brightness.

4. SETUP

4.1 Connecting to Devices

The TQSKY T1 Smart Glasses offer versatile connectivity options:

1. **Direct Connection (Type-C with DP Output):**
   For devices supporting DisplayPort (DP) output via Type-C (e.g., iPhone 15/16 series, compatible Android phones, Mac/PC, iPads), connect the glasses directly using the provided Type-C cable. Ensure your device supports DP protocol.

2. **Connection via T-Box (for non-DP Type-C devices):**
   If your device (e.g., iPhone 14 and earlier, Android phones without DP output) does not support direct DP output, use the T-Box. Connect your device to the T-Box, and then connect the T-Box to the glasses. The T-Box facilitates casting and provides additional power.

3. **Connection via HDMI-C Cable (for HDMI devices):**
   For game consoles (like Xbox, Nintendo Switch, PS5) or PCs with HDMI ports, an HDMI-to-Type-C adapter cable (sold separately) is required. Connect the HDMI end to your console/PC and the Type-C end to the glasses. External power may be needed for the adapter.

Universal Compatibility

for iPhone 15/16 Series, Android, PC, and Apple Devices DP-Supported Devices

C-Port

C-Port

C-Port

C-Port

T-BOX

for iPhone Other Series, Android and PC Non-DP Devices

C-Port

power supply

C-Port

Other-Port

Other Devices — Other Corresponding Adapter Cable Required

(Other Adapter cable NOT included)

Image: TQSKY T1 Universal Compatibility Diagram. This diagram illustrates various connection methods for the T1 glasses, including direct Type-C connection for DP-supported devices, connection via T-Box for non-DP devices, and connection with an adapter for game consoles and drones.

TÜV Rheinland Certified Eye Comfort

Flicker-free, eye-protecting, high fidelity display quality to keep your eyes comfortable all day long

Low Blue Light (Hardware Solution)
TÜV Rheinland CERTIFIED
www.tuv.com ID 1111267018

Image: TQSKY T1 Type-C and T-Box Connection. This image shows two primary connection methods: direct Type-C connection for devices with DP output (e.g., iPhone 15/16, Android series) and connection using the T-Box adapter for devices without DP output (e.g., iPhone 14 and earlier, certain Android models).

Immersive Private Cinema

Real Colors & Shocking Sound
Immersive Sensory Experience

150" Display

3D Mode

1800nits Brightness adjustment

Image: TQSKY T1 Type-C and HDMI-C Connection. This graphic illustrates connecting the T1 glasses directly via Type-C to a laptop/tablet and connecting via an HDMI-C cable to a Windows laptop, indicating the need for an adapter for HDMI sources.

60Hz
Refresh Rate
Stable and Smooth Performance

150"
Virtual Display

43°
Comfort FOV

Spatial Sound Field
Hi-Res certified
offering clear, immersive sound and privacy

0-600D
Myopia Adjustment

Certified by TÜV Rheinland
Low Blue Light |
no Strobe | no Eye Damage

1800 nits
Clear Brightness

Image: TQSKY T1 HDMI Adapter Cable Connection. This image demonstrates how to connect the T1 glasses to game consoles or computers with HDMI ports using an adapter cable, noting that the HDMI cable requires additional purchase.

4.2 Myopia Adjustment

The T1 glasses feature a built-in diopter adjustment. Rotate the adjustment dials on the top of the glasses to set the focus from 0 to -6.00D, accommodating users with myopia without additional lenses.

Image: TQSKY T1 Myopia Adjustment and Magnetic Shade. This image shows the myopia adjustment dials on the top of the glasses and the magnetic shade accessory for use in bright environments.
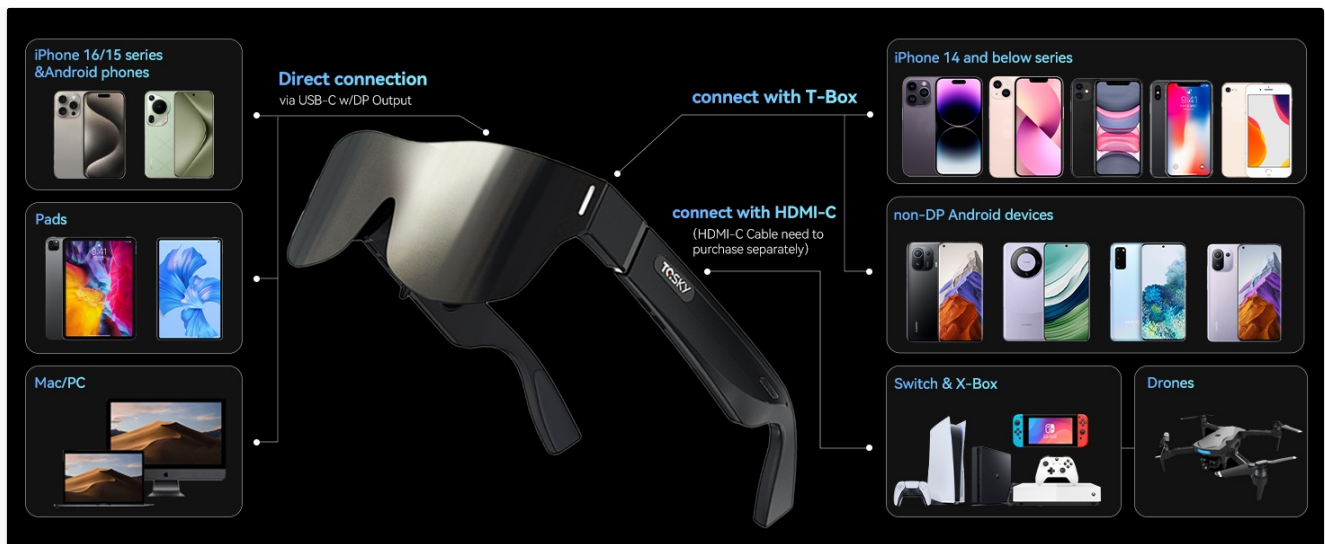
Image: TQSKY T1 Flexible Myopia Adjustment. This graphic highlights the 0-600 degree myopia adjustable feature, allowing multiple family members to use the glasses without needing separate lenses.

5. OPERATING INSTRUCTIONS

5.1 Powering On/Off

The glasses draw power from the connected device. They will power on automatically when connected to a compatible device and power off when disconnected.

5.2 Adjusting Display

The T1 glasses project a 150-inch virtual screen. Ensure the glasses are positioned comfortably on your face for the best viewing experience. The 43-degree Field of View (FoV) provides an immersive display.
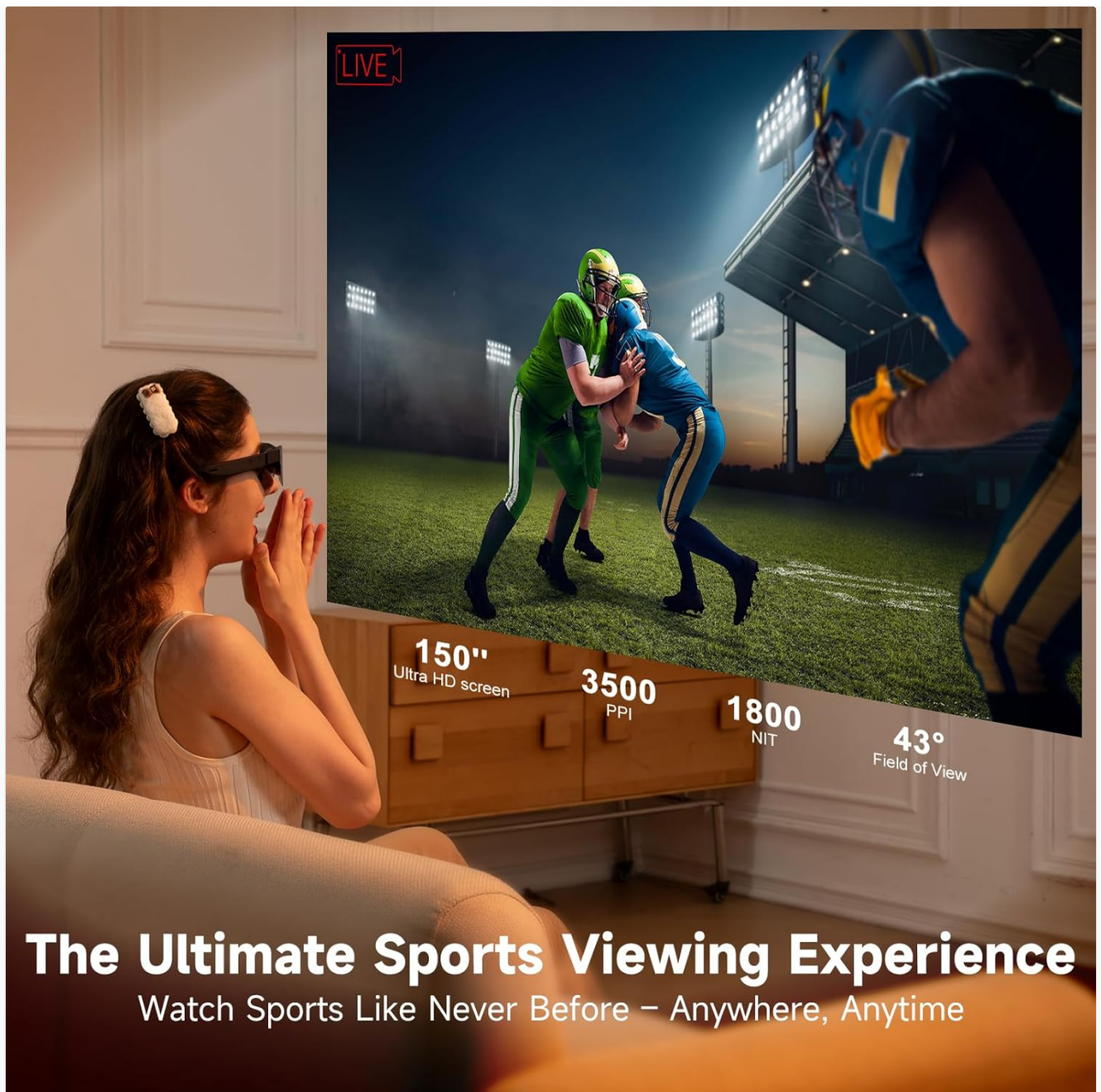
Image: User viewing sports with TQSKY T1 Smart Glasses. A person is shown wearing the T1 glasses, experiencing a large virtual screen displaying a sports event, with indicators for 150-inch screen, 3500 PPI, 1800 NITS, and 43-degree Field of View.

Image: TQSKY T1 Virtual Screen Comparison. This graphic compares the perceived screen size of a PC, TV, and the TQSKY T1, illustrating the T1's massive 150-inch virtual display with 1800 Nits brightness and 1080P resolution.

5.3 Audio Control

The integrated directional speakers deliver high-fidelity audio. Volume control is typically managed through the connected source device or the T-Box if in use.

Hi-Res Audio | Lifelike stadium sound

Hi-Res AUDIO

Directional audio – Focused sound
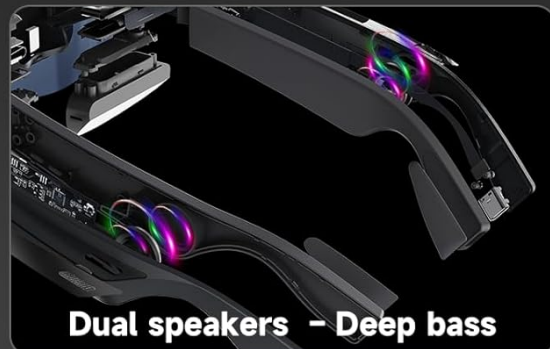
Dual speakers – Deep bass

Image: TQSKY T1 Hi-Res Audio Features. This image highlights the Hi-Res Audio capability, directional sound transmission, and dual speakers for deep bass, showing a user enjoying audio from the glasses.

Vivid live sound

The only smart glasses with Hi-Res certification

Exceeds CD Sound Quality

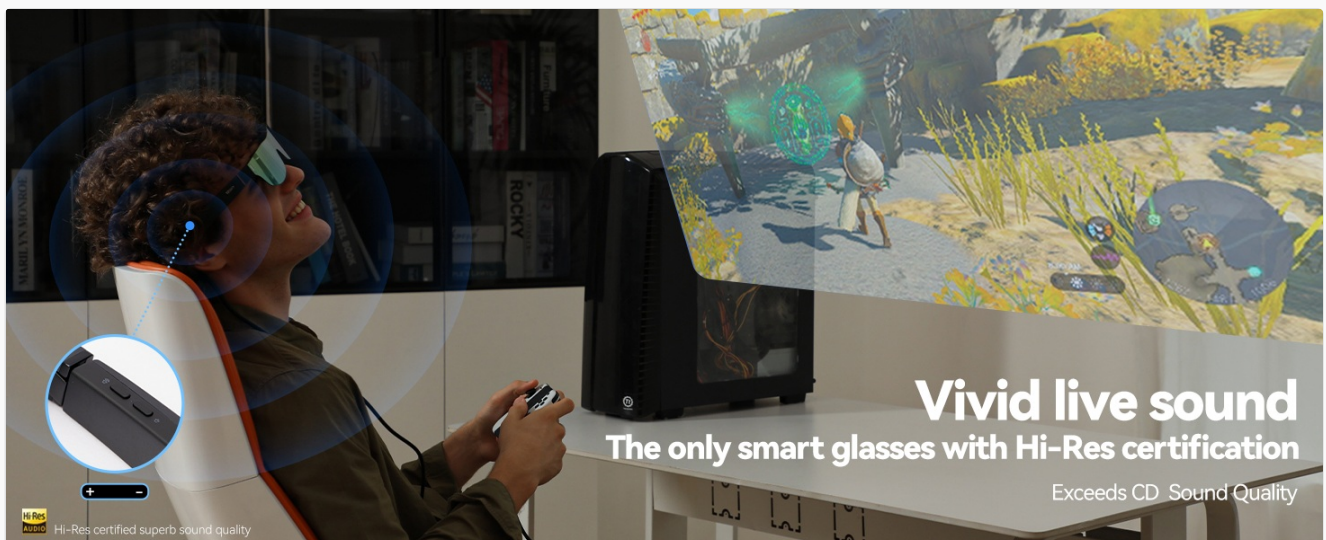**Hi-Res** Hi-Res certified superb sound quality

Image: TQSKY T1 Full-channel directional sound transmission. This graphic explains how the glasses provide concentrated sound to the ear for clearer hearing, with a wider sound range, better resolution, bass, and surround effects.

5.4 Using the T-Box

The T-Box acts as an adapter and power source for devices that do not support direct DP output. It features a 5000mAh battery, weighs 120g, and supports dual-band WiFi 5 for casting. Use the T-Box to connect your glasses to a wider range of devices.

Image: TQSKY T1 Connection via T-Box. A user is shown relaxing in bed, watching content on the T1 glasses connected to a device via the T-Box, with icons indicating the T-Box's 5000mAh battery, 120g weight, Type-C direct connection, and dual-band WiFi5.

6. DEVICE COMPATIBILITY

The TQSKY T1 Smart Glasses are compatible with a wide range of devices:

- **Smartphones:** iPhone 15/16 series (with DP output), most Android phones (check for DP output support).
- **Tablets:** iPads, Android tablets (check for DP output support).
- **Computers:** MacBooks, Windows Laptops, PCs.
- **Gaming Consoles:** Nintendo Switch, Xbox, PlayStation (requires HDMI-to-Type-C adapter).
- **Drones:** Compatible with most drone models on the market (may require specific adapters).

Note:

- Ensure your phone supports DP protocol for direct connection.
- Due to High-bandwidth Digital Content Protection (HDCP), T1 Smart Glasses do not support wireless mirroring content from streaming services like Netflix, Hulu, or Disney+.

7. MAINTENANCE AND CARE

7.1 Cleaning

- Use the provided cleaning cloth to gently wipe the lenses and frame.
- Do not use abrasive cleaners, alcohol, or solvents, as these can damage the optical coatings and materials.
- Keep the lenses free from dust and fingerprints for optimal viewing clarity.

7.2 Storage

- Store the glasses in a protective case when not in use to prevent scratches and damage.
- Avoid exposing the glasses to extreme temperatures or direct sunlight for prolonged periods.

7.3 General Care

- Handle the glasses with care to avoid dropping or impacting them.
- The glasses are designed to be comfortable and portable, weighing only 79g, with non-sweat and non-slip features, and 30-degree adjustable temples for a secure fit.
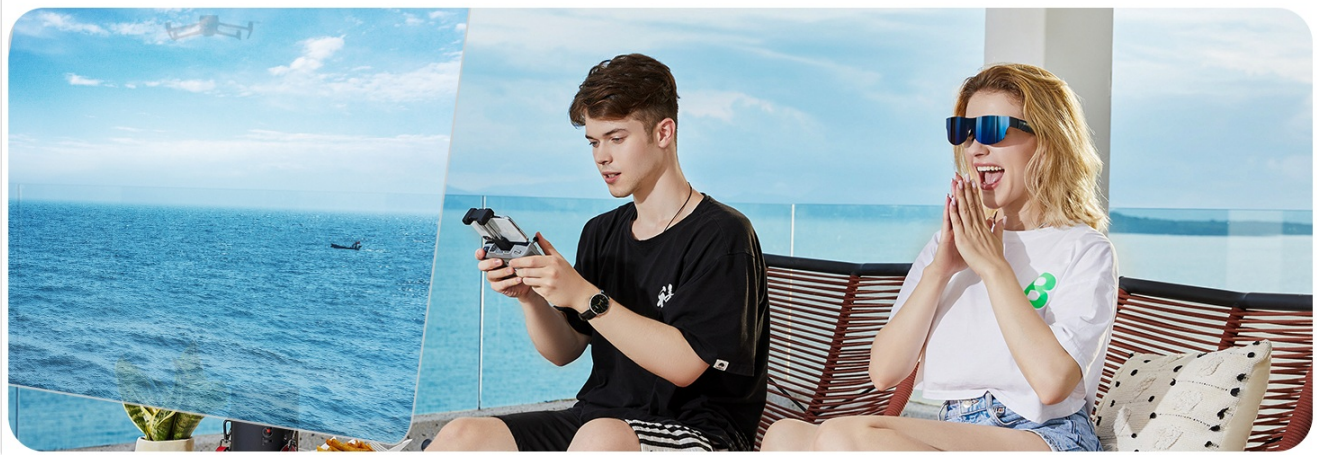

Image: TQSKY T1 Comfortable and Portable Design. This graphic highlights the glasses' lightweight (79g), non-sweat and non-slip features, and 30-degree adjustable temples for enhanced comfort and portability.

8. TROUBLESHOOTING

Problem	Possible Cause	Solution
No display/Black screen	Incorrect connection; Device does not support DP output; Insufficient power.	Ensure the Type-C cable is securely connected. Verify your device supports DP output. If not, use the T-Box. For HDMI connections, ensure the adapter cable is powered.

Problem	Possible Cause	Solution
Flickering screen	Cable issue; Device compatibility issue.	Try a different Type-C cable. Ensure your device's display output settings are stable.
No audio	Volume too low; Audio output not selected.	Increase volume on the connected device or T-Box. Ensure the glasses are selected as the audio output device on your source.
Blurry image/Cannot focus	Myopia adjustment incorrect.	Adjust the myopia dials on the top of the glasses until the image is clear.
Cannot mirror streaming services (Netflix, Hulu, etc.)	HDCP restrictions.	This is a limitation due to High-bandwidth Digital Content Protection. Wireless mirroring of such content is not supported.

9. SPECIFICATIONS

Feature	Detail
Model Number	T1
Display Technology	Micro-OLED
Virtual Screen Size	150 inches
Resolution	1080P
Refresh Rate	60Hz
Brightness	Up to 1800 nits
Pixels Per Degree (PPD)	55
Field of View (FoV)	43 Degrees
Myopia Adjustment	0 to -6.00D
Audio	Directional Transmission of Ultrahigh Frequency Acoustic Signals, Dual Speakers, Hi-Res Audio
Eye Comfort Certification	TÜV Rheinland (Low Blue Light, Flicker-Free)
Connectivity	USB Type-C (DP output required for direct connection)
Operating System (Compatible)	Android (for direct connection), iOS (via T-Box or specific adapters), Windows, macOS
Item Weight	2.79 ounces (approx. 79g)
Package Dimensions	9.45 x 5.63 x 4.09 inches
T-Box Battery Capacity	5000mAh

Feature	Detail
T-Box Weight	120g

10. WARRANTY AND SUPPORT

10.1 Warranty Information

Please refer to the warranty card included with your product for specific warranty terms and conditions. TQSKY provides customer service for product-related inquiries and support.

10.2 Customer Support

For technical assistance, troubleshooting, or any questions regarding your TQSKY T1 AR Smart Glasses, please contact TQSKY customer service through the official website or your purchase platform. Have your model number (T1) and purchase details ready when contacting support.

Related Documents - T1

TQSKY	[TQSKY-T2 Quick Guide: Setup and Usage Instructions](#) A comprehensive guide for the TQSKY-T2 device, covering product introduction, connection methods via Type-C and T-BOX, network projection, important warnings, safety information, and FCC compliance.
TQSKY	[TQSKY-T2 Quick Guide: Setup and Usage Instructions](#) A comprehensive guide for the TQSKY-T2 device, covering product introduction, connection methods via Type-C and T-BOX, network projection, important warnings, safety information, and FCC compliance.
HAVACO PRODUCT CATALOGUE	[HAVACO Product Catalogue: Ventilation and Air Conditioning Solutions](#) Explore the comprehensive HAVACO product catalogue featuring a wide range of ventilation and air conditioning components, including ducts, fittings, fans, silencers, and air valves. Discover high-quality solutions for HVAC projects.
Thermo SCIENTIFIC Preventive Maintenance Kits for Centrifuges EMEA	[Thermo Scientific Preventive Maintenance Kits for Centrifuges (EMEA)](#) A comprehensive guide detailing Thermo Scientific preventive maintenance kits for a wide range of centrifuge models. Includes PM kit numbers, part descriptions, quantities, and applicable centrifuge models for the EMEA region.

	Rokinon 50mm T1.5 AS UMC Lens Instruction Manual Instruction manual for the Rokinon 50mm T1.5 AS UMC lens, providing detailed information on component names, lens attachment and detachment, focus adjustment, brightness control, hood mounting, camera settings for various mounts, technical specifications, troubleshooting guide, and essential safety precautions.
	VN5610/VN5610A Ethernet/CAN Vector VN5610/VN5610A Ethernet/CAN　　　　　　　　　　VN5610/VN5610A Ethernet 10BASE-T 100BASE-T1 100BASE-TX 1000BASE-T