



Active Shutter 3D glasses

YT-SG802D

Based on DLP-Link



YANTOK YT-SG802D is a high-performance active shutter 3D eyewear built exclusively for DLP Link technology, delivering a seamless, cable-free 3D viewing experience across a wide range of DLP-compatible displays. Unlike traditional 3D solutions that rely on dedicated transmitters, DLP Link embeds a white pulse synchronization signal within the alternating left/right eye frames of the projected image. The YT-SG802D's front-mounted photosensitive sensor detects these pulses, triggering precise, alternating opening and closing of the liquid crystal light valves in each lens to maintain perfect sync with the display. This universal, low-cost technology eliminates the need for proprietary transmitters or brand-specific pairing, making the YT-SG802D compatible with any DLP Link-enabled projector or monitor. Supporting all common DLP Link refresh rates—96Hz, 100Hz, 120Hz, and 144Hz (with 120Hz and 144Hz being the most widely used)—the YT-SG802D ensures smooth, flicker-free 3D playback for home theaters, gaming setups, and professional presentations.

Applications

YANTOK YT-SG802D active shutter 3D glasses for DLP-Link is the ideal solution for small-space 3D projects, laser TV, RPTV, widely used in:

- © Home Theater & Personal Entertainment
- © Small-scale Commercial & Engineering Display
- © 4D/5D/6D Motion Cinemas
- © Science & Technology Museums, Exhibition Halls, and 3D Experience Zones
- © 3D Education, Training, and Multimedia Classrooms
- © Immersive Mini-Theaters & Themed Experience Venues

Key Features

✔ Universal DLP Link Compatibility

Powered by DLP Link technology, the YT-SG802D requires no external 3D emitter or pairing process. It automatically syncs with any DLP Link-enabled display, regardless of brand or model, making it a truly plug-and-play solution for 3D enthusiasts and professionals alike. This universal compatibility simplifies inventory management for businesses and ensures a hassle-free experience for end users.

✔ Full Refresh Rate Support

The YT-SG802D fully supports all standard DLP Link refresh rates: 96Hz, 100Hz, 120Hz, and 144Hz. The 120Hz and 144Hz modes are particularly well-suited for high-speed gaming and action-packed 3D content, delivering smooth, artifact-free visuals that eliminate motion blur and ensure an immersive viewing experience.

✔ Superior Optical Performance

Featuring a light transmittance of 38% \pm 2% and a high contrast ratio of 1000:1, the YT-SG802D delivers sharp, vibrant 3D imagery with deep blacks and bright highlights. The 30-degree viewing angle ensures consistent image quality across a wide range of seating positions, making it ideal for home theaters and small presentation spaces where viewers may be seated at varying angles.

✔ Long-Lasting Rechargeable Design

Powered by an 80mAh rechargeable lithium-polymer battery with a Mini8 USB interface, the YT-SG802D offers exceptional battery life. With a standby current of less than 2 μ A and an operating current of approximately 1.3mA, the glasses deliver up to 40 hours of continuous use on a single charge—far exceeding the needs of even the longest movie marathons or gaming sessions. The low-power design ensures minimal charging frequency, maximizing convenience for users.

✔ Robust Environmental Durability

Designed to withstand a range of operating conditions, the YT-SG802D functions reliably at temperatures between 0°C and 60°C, with a humidity tolerance of 10%–90%. For storage, it can safely withstand temperatures from -20°C to 80°C, making it suitable for use in diverse climates and environments. The lightweight, durable construction (gross weight: 110g \pm 3g) ensures comfort during extended wear while resisting daily wear and tear.



Technical Specifications

1. Model: YT-SG802D
2. Type: Active shutter DLP 3D glasses
3. Sync Method: DLP Link (no emitter required)
4. Supported Refresh Rates: 96Hz / 100Hz / 120Hz / 144Hz
5. Light Transmittance: 38% \pm 2%
6. Contrast Ratio: 1000:1
7. Viewing Angle: 30°
8. Power Supply: 80mAh rechargeable lithium-polymer battery (Mini8 USB interface)
9. Standby Current: $<2\mu$ A
10. Operating Current: About 1.3mA
11. Battery Life: About 40 hours of continuous use
12. Operating Temperature: 0°C ~ 60°C
13. Operating Humidity: 10% ~ 90%
14. Storage Temperature: -20°C ~ 80°C
15. Gross Weight: 106g \pm 3g
15. Packaging size: 17CM * 6CM * 6CM

Quick Start Guide

※Press the power button once, the green light will stay on for about 1.5 seconds, and the glasses will turn on. If a sync signal is received, the lens will become darker;

※If the glasses do not receive a signal for about 5 minutes, they will automatically shut down;

※Press and hold the power button for 2 seconds, and the green indicator light will flash three times for manual shutdown;

※If the battery is low, the green indicator will flash once every second, We need to charge the 3D glasses immediately;

※The red light is on during charging and goes off when fully charged.

Learn more.....

Please contact us!!



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