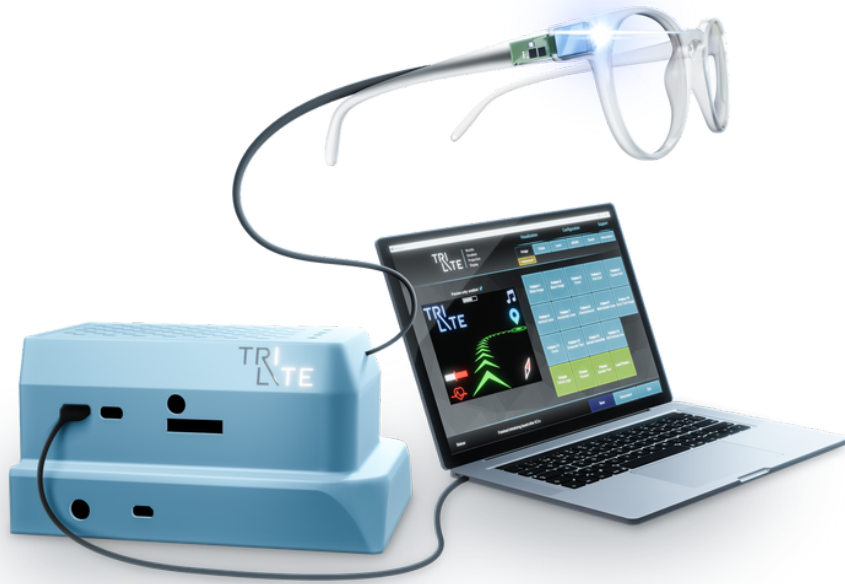


Trixel® 3 Evaluation Kit

Experience how Trixel® 3 enables the true consumer Augmented Reality eyewear experience
Integrate into test environments, benchtop and form factor demonstrators
Evaluate multiple system level variables and options to optimize production systems

Ideal for OEMs and System Integrators who want to accelerate time to market, rapidly prototype, and realize Augmented Reality solutions, fast!



The Trixel® 3 Evaluation Kit features:

- Ultra-compact Trixel® 3 optical display engine – the world's smallest Laser Beam Scanning (LBS) projection display for Augmented Reality (AR)
- Portable hardware housing, mounting arm with LBS holder, long flex cable for direct LBS mounting, and all necessary connectors and cables
- Trixel® Navigator software for straightforward visualization, configuration and support

*Example test implementation - Evaluation Kit does not include AR glasses

Straightforward and easy to integrate into your test environment

Portable and straightforward test-setup via fixed mounting arm with LBS holder, or long flex cable to connect LBS directly to your AR solutions

Designed with flexibility in mind allowing coupling to waveguides, HOE or freespace combiners

Configure settings of the lasers for variable brightness and white-mix to optimize settings for system integration

Project test-patterns and stream videos via the LBS, or use custom images to test specific use-cases

Discover the world's smallest display for AR - Trixel® 3

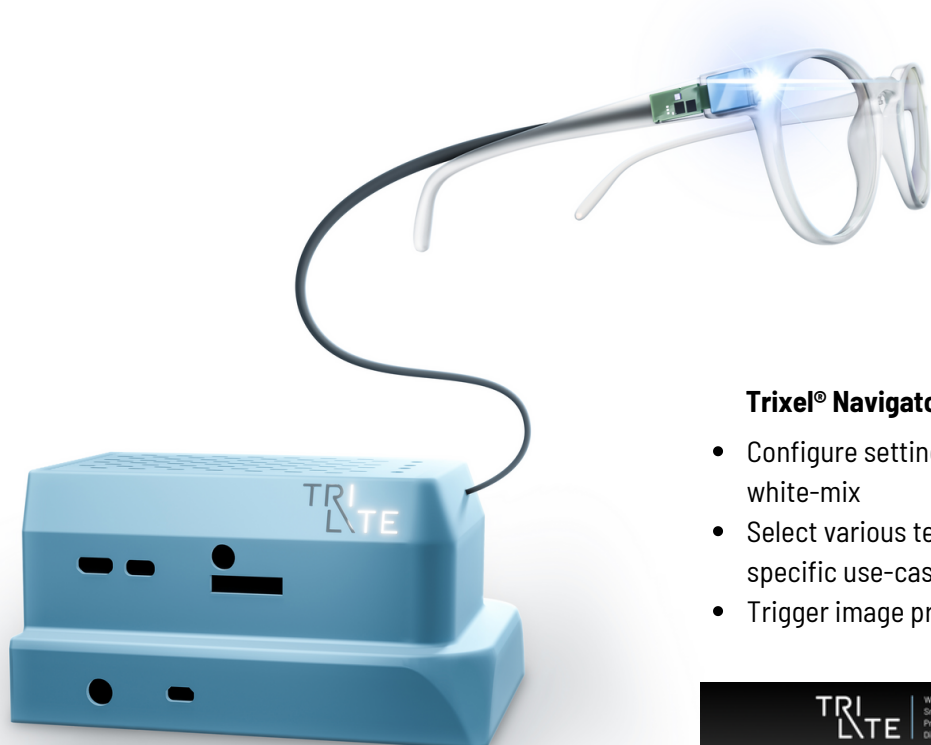


- Mass-manufacturable, miniature and lightweight
- High brightness (15 lumen) – works in all environments, from direct sunlight to dark rooms
- Laser color intensity that is "WOW!"
- Optimized optical path requires no relay optics
- Low system latency ensures AR images naturally integrate with the surroundings and spatial movements

Trixel® 3

Trixel® 3 optical display engine combines TriLite's mass-manufacturable miniature and lightweight laser beam scanner (LBS), a single 2D MEMS mirror, all optical components, and the unique TriLite Calibration Module (TCM) that shifts light module complexity from hardware to software domain.

Parameters	Trixel® 3 Specification*
Total LBS volume	<1 cm ³
Total LBS weight	1.5g
FoV (H x V)	24° x 18°
Resolution (H x V)	Up to 1152 x 884 (XGA+)
Refresh rate	90 Hz
MEMS mirror type	1 x 2D MEMS mirror
Projection type	Color simultaneous
Color gamut	214% over sRGB
Max. luminous flux at LBS output	15lm



Trixel® Navigator Software

- Configure settings of the lasers for variable brightness and white-mix
- Select various test-patterns, or use custom images to test specific use-cases
- Trigger image projection and video streaming via the LBS

Evaluation Kit Hardware

- Portable housing for control electronics
- Flexible cable (~1.2m) for connecting LBS directly to your AR solutions
- Trixel® 3 LBS including mini-PCB for flex cable attachment
- Protective housing with mounting points
- Simple plug-in/-out connection with HDMI and USB ports
- International power connector and status LED



*Evaluation Kit specifications are continuously being improved and may vary from production specifications. Contact TriLite for latest specifications.