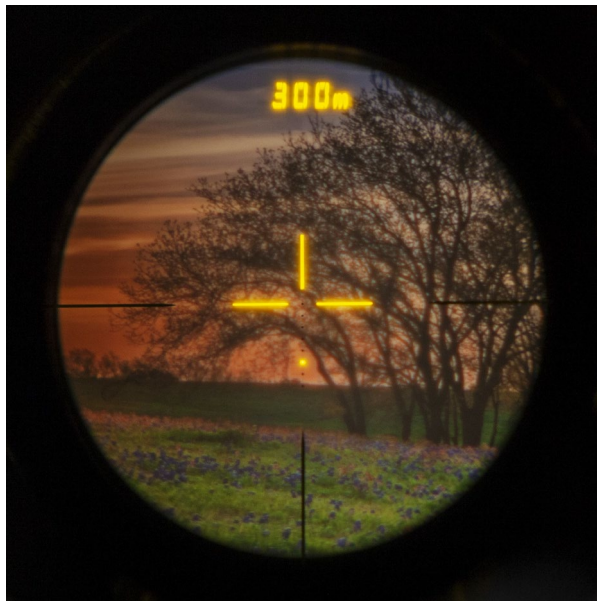


ELT32S-RETICLE-BAT

Transparent Display Demonstrator



The ELT32S-RETICLE-BAT is a transparent reticle display demonstrator that comes with a segment design developed specifically for telescopic sight applications.

Due to the unique optical and performance characteristics, Lumineq® transparent displays are ideal for line-of-sight applications where transparency and ruggedness are of paramount importance.

Lumineq displays, enabled by Atomic Layer Deposition, are the world's most transparent and reliable displays.

Lumineq Transparent Reticle Display

Product capabilities:

The ELT32S-RETICLE-BAT is designed to demonstrate and help you evaluate the unique capabilities of transparent Lumineq displays. The demonstrator helps you in concept design and prototyping, and to adapt the technology to your application.

Product features:

- Turnkey demonstrator consisting of transparent reticle display with flex and driving electronics with casing.
- 32 individually addressable segments – Range by numeric values, crosshair (10 or 20 µm) and drop dots.
- Traditional chrome reticle as an option
- Scripted demo modes and brightness control with a trimknob interface
- Fully transparent, round-shaped reticle display glass is integration-ready with optical devices.
- Fully customizable: Glass size, shape, coating, segment design and contacting. Driving electronics, interface and flex design.

Technical specifications:

Technology	Transparent Thin Film Electroluminescence. Solid state, inorganic, emissive.
Color	TFEL-yellow
Type	Segmented, 32 predefined icons
Transparency	~85% (where transparent). >90% when with AR (on special request).
Viewing angle	360°, fully transparent
Response time	< 1 ms
Luminance	Adjustable – from daylight to NVIS
Glass diameter	20.5 mm (plus contact area)
Glass thickness	2.2 mm (Total - encapsulated with cover glass)
Flex (FPC)	Straight, length 250 mm
PCB size	75x34x44 mm (not optimized for size)
Power	Typically few mW depending on the brightness
Input Voltage	3 V/CR123 A battery
Interface	Trimknob (scripted modes) UART for custom scripting
Warranty	3 months (Demonstrator/development kit)

Ordering Information:

Product	Part number	Features
ELT32S-RETICLE-BAT-10CH-CR	EL00109700	Reticle display with 10 µm crosshair and traditional chrome reticle
ELT32S-RETICLE-BAT-10CH	EL00109800	Reticle display with 10 µm crosshair
ELT32S-RETICLE-BAT-20CH-CR	EL00109900	Reticle display with 20 µm crosshair and traditional chrome reticle
ELT32S-RETICLE-BAT-20CH	EL00110000	Reticle display with 20 µm crosshair

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