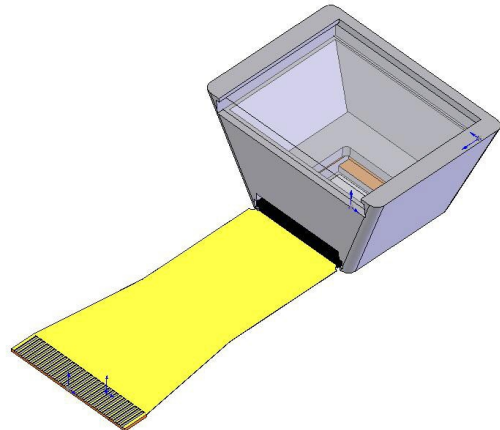
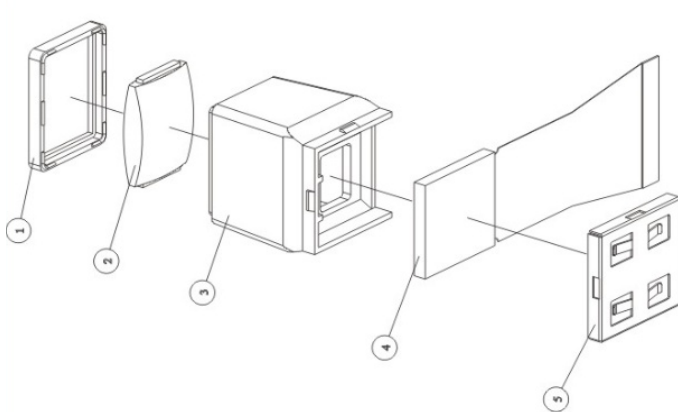


# IMMERSIVE QVGA MONOCULAR ENGINES



## Brief Description

Both engines / viewfinders give the user a fast way to build a test bed in his application, using his own electronics to drive the SVPO320 OLED microdisplay.

The engines consist of a plastic housing and a plastic lens, which is fixed with a plastic frame snapped on top of the housing as well as a SVPO OLED microdisplay fixed with an additional metal frame below the housing to be positioned as exactly as possible with respect to the optical lens.

The microdisplay can easily be removed or be exchanged by removing and re-attaching the metal frame.

While the left engine above contains a convex lens, the right engine contains a fresnel lens, thus having a planar top to easily be smoothly integrated into flat surfaces or flat frontends.

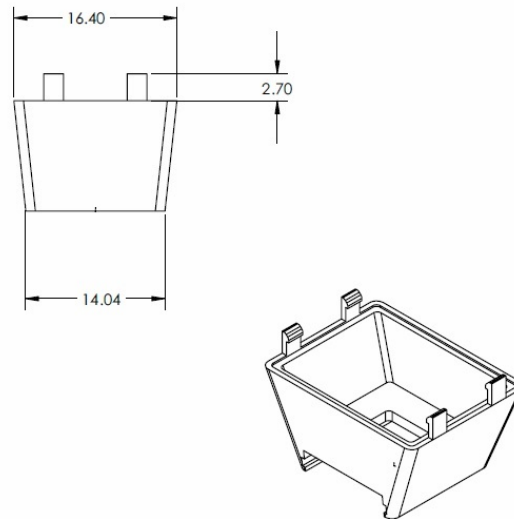
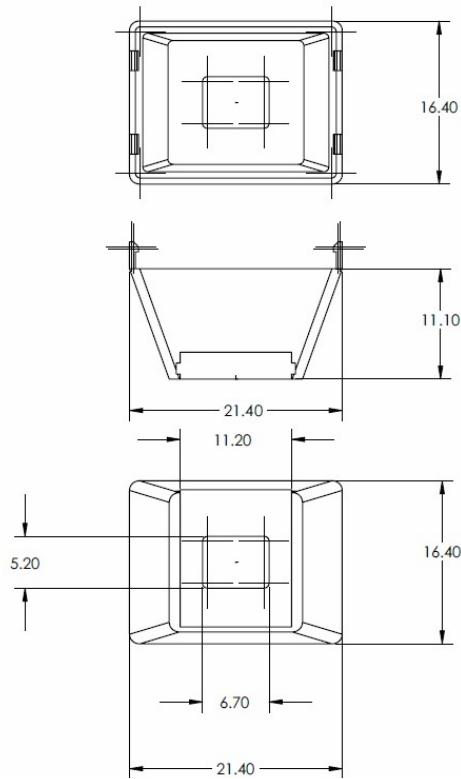
## Benefits

- Allows fast prototyping for any type of customer system by fast integrating the engine with ready-to-use optics into the customer prototyping system
- Based on space available and on optical preferences allows to use less expensive convex lenses or more expensive fresnel lenses
- The very low weight of the engine allows very lightweight systems, which can be held or worn for a long time
- A very simple mounting and fixing procedure allows to very easily align the microdisplay to the optics as well as to quickly attach/de-attach the microdisplay for testing or exchange

## Contact Information

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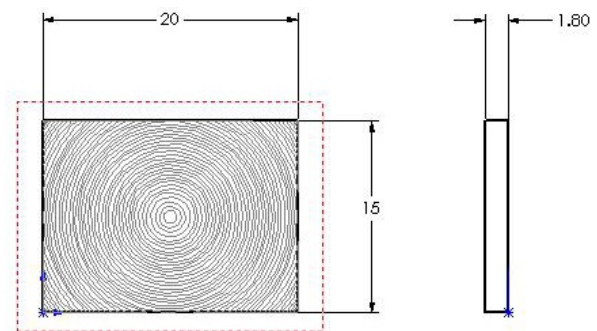
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## Features

- Robust plastic housing and fixtures
- Easy snap-in and fixture of the SVPO320 OLED microdisplay as well as of the convex lens or the fresnel lens, respectively
- Small dimensions to very easily fit into any customer application
- Excellent image quality through high quality convex lens or fresnel lens, respectively

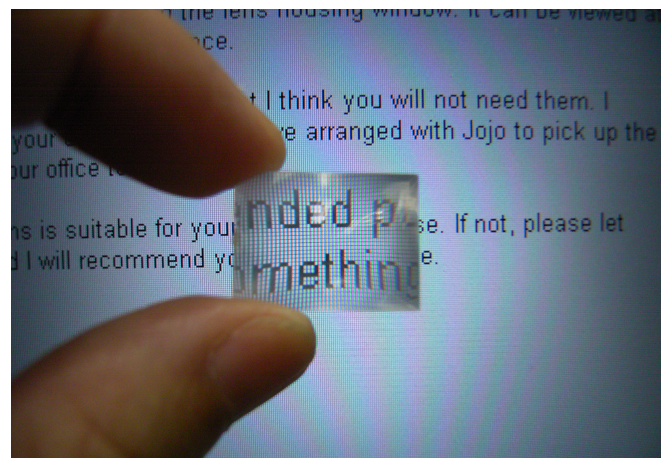
## Fresnel Lens Dimensions



## Applications

- View finder in digital cameras
- View finder in thermal cameras
- View finder in night vision glasses
- View finder in any other equipment, where an optical image needs to be displayed to the human eye

## Fresnel Lens Quality



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