

## HIGH BRIGHTNESS HIGH RESOLUTION 0.35" MICRODISPLAY



[www.vuereal.com](http://www.vuereal.com)

Featuring an ultra-compact 0.35" microLED display with high-brightness and high-resolution technology, delivering dynamic visuals and seamless integration for next-generation automotive heads-up display (HUD).

## APPLICATION



Automotive  
HUD



Smart  
Wearables



AR / MR / VR  
Displays

## KEY FEATURES

### Next Level Performance

- ✓ **Ultra-High Brightness:** Engineered to perform in a wide range of lighting conditions, ensuring excellent visibility in both indoor and outdoor environments.
- ✓ **Robust Durability:** Built to withstand demanding conditions for long-term reliability.
- ✓ **Ultra-Thin & Lightweight:** Designed for seamless integration into compact spaces, leveraging microLED's inherently slim profile without compromising performance.
- ✓ **Power-Efficient Design:** Consumes significantly less power compared to traditional display technologies, extending battery life for wearable devices.

## OVERVIEW

### General description

The 0.35" Microdisplay sets a new standard in brightness and resolution for next-generation heads-up displays, virtual reality (VR), mixed reality (MR), augmented reality (AR) applications, medical devices, and smart glasses. Powered by VueReal's advanced MicroSolid Printing™ technology, this microLED display delivers exceptional brightness, precise color accuracy, and energy efficiency.

## PRODUCT SPECIFICATIONS

### Main product characteristics

Tech Specs	VueReal MicroLED 0.35" Display
Diagonal	0.35"
Resolution	1280 x 720
Pixel Pitch	5 μm
Brightness (typ.)	1,000,000 nits
color	Monochrome (R,G,B)
Dev Interface	USB-C

*Product specifications are subject to refinement at any time as we continue to innovate and improve our technology.*

Kit includes Qty:3 monochrome displays, Qty:1 driving board and control software.

Note: Ships with 3 displays in the selected color (Red, Green, or Blue).



## REAL-TIME VIDEO ASSISTANCE AVAILABLE

## APPLICATION SUPPORT SERVICES

### What's Available

VueReal's Application Support for the 0.35" High-Brightness, High-Resolution Microdisplay Reference Design Kit provides customers with real-time video assistance from our expert support staff. Whether you need help with configuration, troubleshooting, or general inquiries, our team is available to guide you step-by-step via live video support, ensuring a seamless and efficient setup experience.

Reference Design Kit	Description
VR-RDK06-HMD01-RV1	MD, 0.35" microLED display with 5µm pixel pitch, 1280x720 resolution, Qty. 3, Green
VR-RDK06-HMD02-RV1	MD, 0.35" microLED display with 5µm pixel pitch, 1280x720 resolution, Qty. 3, Blue
VR-RDK06-HMD03-RV1	MD, 0.35" microLED display with 5µm pixel pitch, 1280x720 resolution, Qty. 3, Red
VR-RDK06-HMD04-RV1	MD, 0.35" microLED display with 5µm pixel pitch, 1280x720 resolution, Qty. 3, (1x Red, 1x Blue, 1x Green)
VR-RDK02-SHL01-RV1	Application Support, RDK, 5 hours
VR-RDK00-SUP10-RV1	Application Support, RDK, 10 hours

*Additional customized engineering support is available; contact your sales representative for pricing.*

### About VueReal

VueReal, the pioneer in MicroSolid Printing™, utilizes an eco-friendly micro-pixel manufacturing process to enable innovative and cost-effective microLED displays, lighting solutions, and other microdevice-based products at scale. VueReal is transforming visual experiences in automotive, AR/VR, lighting, wearables, and smartphones while spearheading broader innovation in the \$1T per year microdevice industry. Visit [www.vuereal.com](http://www.vuereal.com)