



**Encapsulating Augmented, Virtual and Mixed Reality  
Realistic Visualization for Professional Applications**

### ***JVC Unique Mirror System - Delivering high-definition uniform resolution images***

- Dual WQHD Display (5K total horizontal resolution)
- Pixel Free Image (eliminating distracting screen door artifacts)
- Wide eye box enables comfortable viewing experience
- Large continuous horizontal/vertical viewing angle (120H x 45V Degrees)
- Crystal clear and sharp images across the entire viewing angle



JVC Unique Mirror System



Conventional Dual Optical System

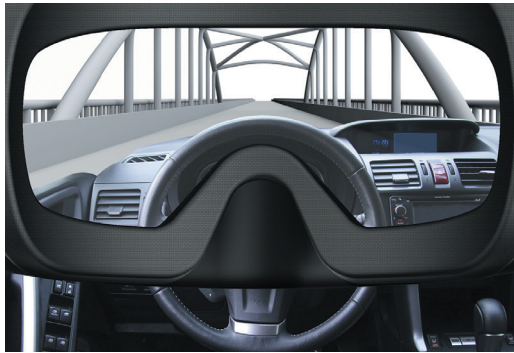
### ***Half Mirror Design - Allows the user to see actual physical devices such as gauges, controls or monitors, simultaneously with the virtual reality***

- Provides realistic and immersive feeling by viewing actual and VR devices
- You can check manuals and take notes while operating equipment through the display
- Low latency operation minimizing fatigue
- 2-DisplayPort (DP1.2) video inputs



## Simulation

### Driving and Flight Simulators



The large eye box provides a natural view and reduces eye strain during long training sessions.

The virtual images can be seen in high resolution with low latency, providing a realistic and natural operational feel to the end user.

## Design Review

### Interior, Architecture, City Planning



Design reviews with realistic feeling for technical verification using 3D CAD, BIM (\* Building Information Modeling).

Wide viewing angle allows more accurate viewing.

\*A system for building 3D architectural models on a computer

## Remote Control

### Medical, Heavy Equipment Operation



Equipment Operation possible while viewing instruments and controllers. High resolution imaging enables accurate positioning.

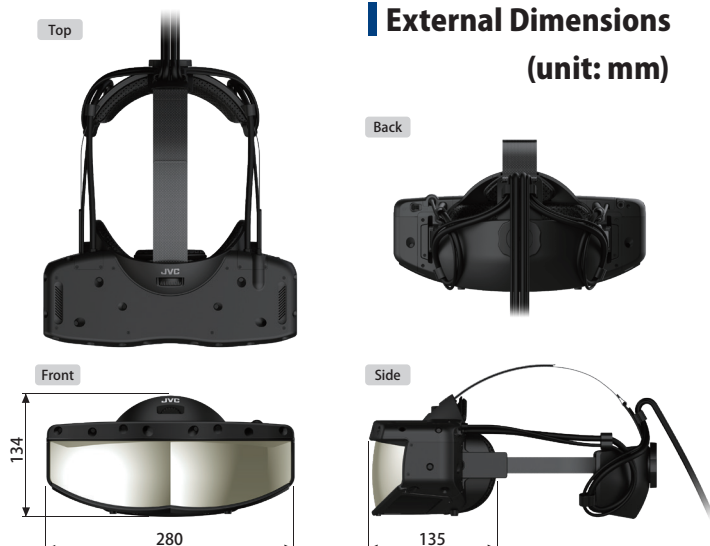
## Training Support

### Real Time Hands on Training



Work and document browsing at hand while viewing the VR image.

## External Dimensions (unit: mm)



## Specifications

Model Name		HMD-VS1W
Resolution		2560×1440 pixels per eye (Total 5120×1440 pixels) 5K
Field of View		H : 120 deg. / V : 45 deg.
Panel		5.5 inch LCD
Refresh Rate		60Hz or 72Hz
Tracking		SteamVR Tracking System 2.0
Input/Output	Input Terminal	Display Port 1.2 x 2 (Supports HDCP2.2)
	Output Terminal	USB 2.0 (Micro USB x1)
	Control Terminal	Control via USB Command Protocol
Dimensions (W x D x H)		280×135×134 mm (excluding head band and cable)
Weight		640 g (excluding head band and cable)
Power		12 VDC (Using AC adapter)

\* Specifications are subject to change without notice.

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