

## **CS-2000A Spectroradiometer**

Highly Accurate  
**Pupil-Size Spot Measurement**  
for HMD applications



CS-2000A with Special Attachment

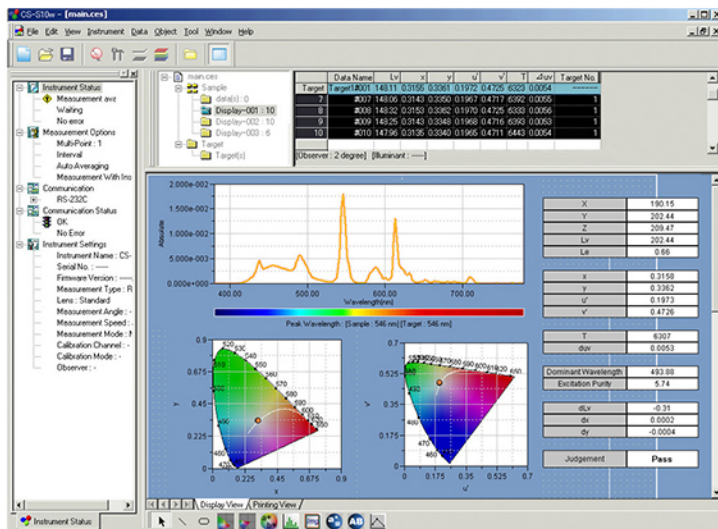
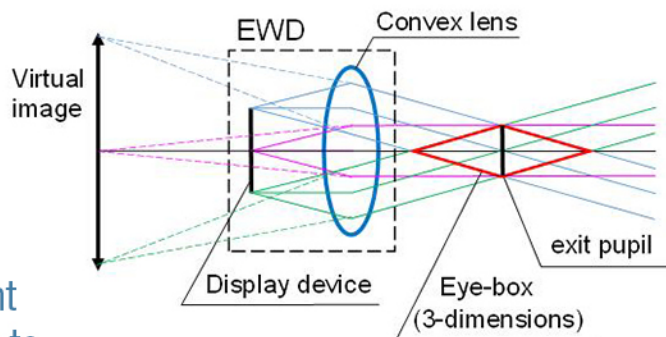
## **Offering a Specialized Accessory for Pupil-Size Spectral Measurement on Head-Mounted Displays**

To define and verify your standard of measuring head-mounted displays (HMD) using Augmented Reality (AR), or Virtual Reality (VR), Konica Minolta Sensing Americas now offers an attachment for our CS-2000A Spectroradiometer that measures virtual images according to a corresponding pupil size.

Our CS-2000A is a highly accurate spectroradiometer with the ability to measure any High-Dynamic Range (HDR) display applications. In responding to the increasing needs of measuring head-mounted displays or near-eye displays accurately within the Information Communication Technology (ICT) industry, we now offer CS-2000A with a specialized attachment, which allows measuring virtual images corresponding to pupil size.

The special attachment consists of three major parts: Attachment body, Aperture holder, and Pupil-size aperture. Pupil-size aperture has eight different measurement spot sizes available from  $\Phi 1\text{mm}$  to  $\Phi 8\text{mm}$  in steps 1mm, which are interchangeable.

Our complimentary Professional Data Management Software CS-S10w enables using any light source to calibrate CS-2000A with a chosen pupil-size aperture at a focal distance (range: 350mm to Infinity) on the virtual images, placing the instrument at the actual exit pupil or eye-motion box in consideration of the eye-relief condition.



## CS-2000A with Special Attachment enables:

- Pupil-size spot measurement for HMD applications such as AR/VR.
- Focus on virtual images at the position of the eye relief.
- Highly accurate measurement to get the spectrum (380 to 780 nm), luminance, chromaticity, etc.