

Keyence VHX-7000 Demonstration

Monday, July 9th | 1PM - 5pm

Materials Characterization Facility | Marcus Nanotechnology Building Level 0

The VHX Series has a depth of field that is 20 times greater than conventional optical microscopes. KEYENCE designs the lenses, cameras and graphic engine in-house, enabling observation with an optimal balance of depth and brightness. Even novice users can capture high resolution images with ease.

Using a 4K CMOS Sensor, the VHX-7000 series can deliver 2D and 3D measurements, roughness, contamination, grain size, and other analyses with one tool. Additionally, observation can be carried out automatically at magnifications from 20× to 6000× without changing the lens.

Key Features

- Optical Shadow Effect Mode: makes subtle contours stand out and enhances uneven surfaces and stains with the push of a button
- Multi-Directional Light Mode: varied illumination allows users to detect subtle irregularities on a sample
- 3D Image Stitch: capturing multiple images while the stage is moving, 3D data capture and stitching can be performed simultaneously



4K Ultra-High Accuracy Microscope

