

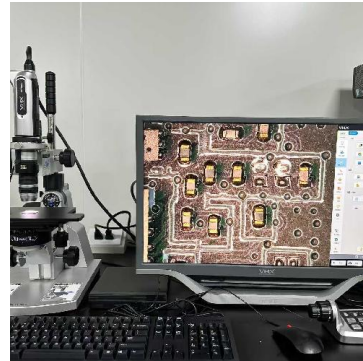
Machine Name : microscope

Brand : KEYENCE

Machine Model : VHX-X1F

Stock No. : 4810068

Ex-factory Date : 2025



Main Technical Parameters:

Camera

Image Receiving Element:

VHX-7020 High Performance Camera

Sensor Type: 1/1.8-inch, 3.19-megapixel CMOS image sensor

Total Pixels: 2064 (H) × 1554 (V)

Virtual Pixels: 2048 (H) × 1536 (V)

Scanning System: Progressive

Frame Rate:

VHX-7020 High Performance Camera: 50 fps (max.)

Resolution (Standard):

VHX-7020 High Performance Camera: 2048 (H) × 1536 (V)

Gain: Manual, Preset

Electronic Shutter:

VHX-7020 High Performance Camera: Auto, Manual, 1/60, 1/120, 1/250, 1/500, 1/1000, 1/2000, 1/5000, 1/9000, 1/19000

Supercharge Shutter:

VHX-7020 High Performance Camera: Can be set in 0.01 s increments from 0.02 to 16 s

White Balance:

Push-set, Manual, Preset (2700K, 3200K, 5600K, 9000K)

LCD Monitor

Size: 27-inch color LCD

Screen Size:

596.16 (H) × 335.34 (V) mm

23.47" × 13.20"

Pixel Pitch:

0.15525 mm (H) × 0.15525 mm (V)

0.01" × 0.01"

Number of Pixels:

3840 (H) × 2160 (V)

Display Colors: Approx. 1.07 billion colors*1

Viewing Angle:

±89° (typical, horizontal)

$\pm 89^\circ$ (typical, vertical)

Image Format:

JPEG (with compression), TIFF (without compression)

Observable Image Size:

100,000 (H) $\times$ 100,000 (V) pixels (with stitching)

Dimensions

Dimensions (when stored):

635 (W) $\times$ 450 (H) $\times$ 132 (D) mm

25.00" $\times$ 17.72" $\times$ 5.20" (excluding protrusions)

Power Supply

Power Voltage:

100 to 240 VAC $\pm 10\%$, 50/60 Hz

Power Consumption:

250 VA

Environmental Resistance

Ambient Temperature:

+5 to 40°C (+41 to 104°F*2)

Relative Humidity:

80% RH or less (no condensation)

Weight:

Approx. 10.8 kg (23.81 lb)

