



Windows Hello Camera QRO-YHRA

Product Outline

QRO-YHRA is an USB Video Class (UVC) compliant camera module with fixed focus, designed for portable notebook PC image applications to support Windows Hello V3.x face authentication. It is made up of the following components, RGB / B&W CMOS sensor, lens, backend, IR-LED, digital microphone, PCB and connector, to come out a digital video device. It shall be a reliable device which is embedded in notebook PC to transfer video data through USB interface to notebook PC.

YHRA offers up to HD 720 resolution (1280x720) for image applications to take still image, and also offers video stream for end user to preview/record motion image through USB 2.0 interface. It builds in AE, AWB, and AGC for automatic image control supported by CMOS sensor and backend ISP. For image quality control, it offers UVC standardized User Interface (UI) to let end user well tune image by property page.

Basic Specification

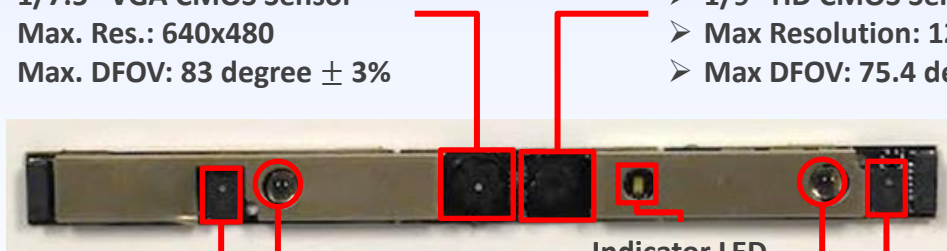
- Output Image Size: Up to 1280 x 720
- Output Format: YUY2, MJPEG
- Frame Rate: 10FPS with YUV HD, 30FPS with MJPG HD
- Outside Dimension: $85 \pm 0.3 \times 6.8 \pm 0.15 \times 3.02 \pm 0.2$ (Unit: mm)
- PCB Thickness: 0.4 ± 0.1 mm
- Interface: USB 2.0
- VID/PID: RGB Camera: 0408/50D0, IR Camera: 0408/50E1

IR Camera:

- 1/7.5" VGA CMOS Sensor
- Max. Res.: 640x480
- Max. DFOV: 83 degree \pm 3%

RGB Camera:

- 1/9" HD CMOS Sensor
- Max Resolution: 1280 x 720
- Max DFOV: 75.4 degree \pm 5%



IR LED:

- 850nm
- High Efficiency
- Wide Angle

Mic:

- Stereo High SNR 64dBA DMic