

# TECHNICAL SPECIFICATIONS

## VISION SET

<b>Model</b>	ELP-USBFHD06H-L21
<b>Sensor</b>	Sony IMX322
<b>Lens size (mm)</b>	2.1
<b>Pixel size (mm)</b>	12.8 x 11.6
<b>Image area</b>	2000(H) x 1121 (V) approx. 2.24 M pixels
<b>Maximum resolution</b>	1080p (1920x1080)
<b>Resolution and frame rate available</b>	Compressed and Raw: 320x240@30fps / 352x288@30fps / 640x360@30fps / 640x480@30fps / Raw only: 800x600@15fps Compressed only: 800x600@30fps / 1280x720@30fps / 1920x1080@30fps /
<b>Shutter type</b>	Electronic rolling shutter / Frame exposure
<b>Adjustable parameters</b>	Brightness, Contrast, Saturation, Hue, Sharpness, Gamma, Gain, White Balance, Backlight Contrast, Exposure
<b>Raw format</b>	YUV
<b>Compressed formats</b>	H264 & MJPEG
<b>S/N ratio</b>	42
<b>Dynamic range</b>	86
<b>Sensitivity</b>	5.0 V / lux-sec@550nm
<b>Mini illumination</b>	0.01 lux





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**Working temperature (°C)**

-20~85

**Operating systems requirements**

Windows 7 or above  
Linux 2. or above  
Android 4.0 or above

**Connecting port type**

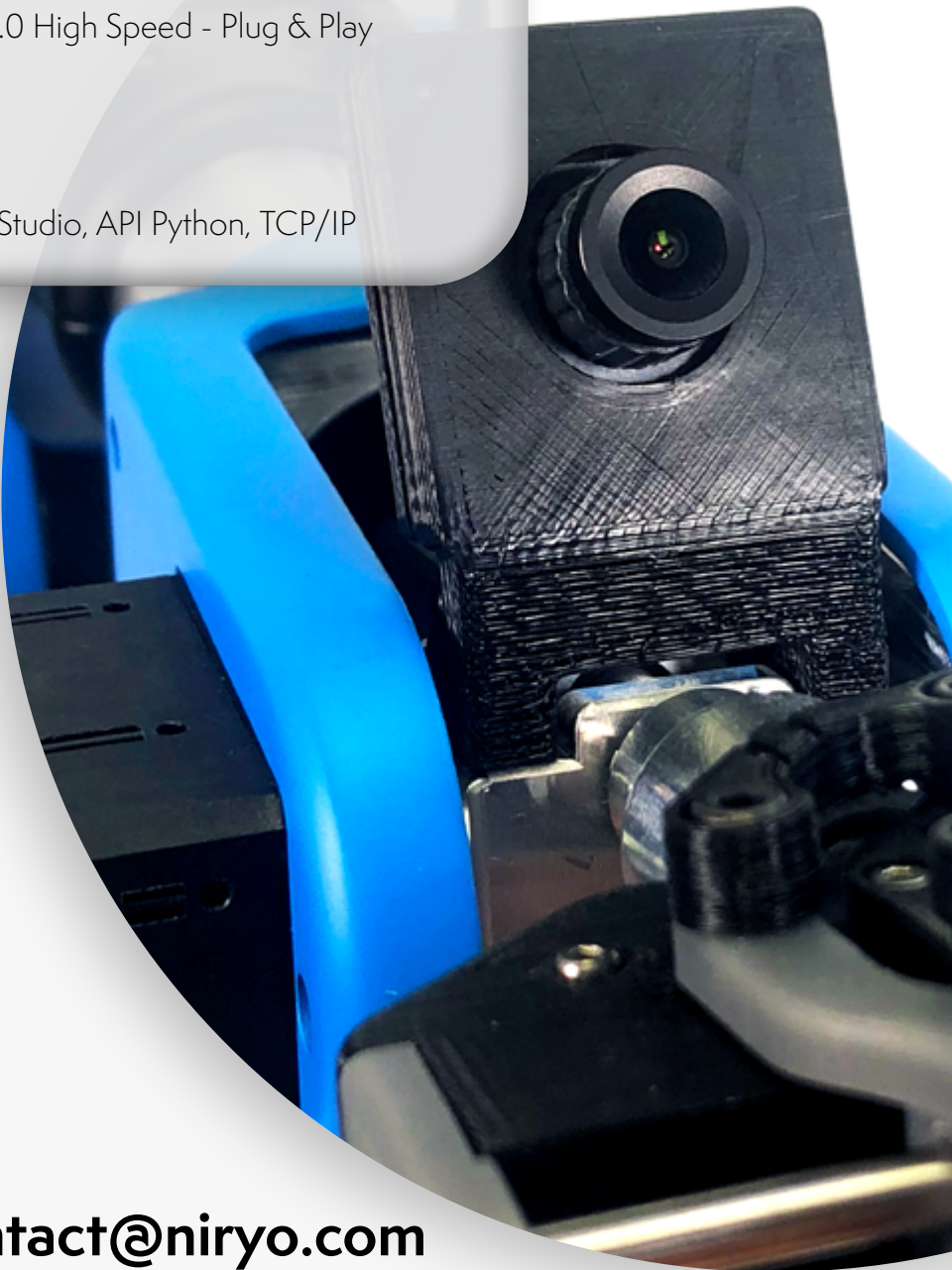
USB 2.0 High Speed - Plug & Play

**USB cable length (m)**

1

**Control methods**

Niryo Studio, API Python, TCP/IP



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