



# NIRYO

HUMAN - MOTION - ROBOT

## TECHNICAL SPECIFICATIONS

### VISION SET

### NED ADD-ON

<b>Model</b>	ELP-USBFHD06H-L21
<b>Sensor</b>	Sony IMX322
<b>Lens Size</b>	2.1 mm
<b>Pixel Size</b>	12.8×11.6 mm
<b>Image Area</b>	2000(H)×1121(V) approx. 2.24 M pixels
<b>Max Resolution</b>	1080p (1920×1080)
<b>Resolution &amp; Frame Rate Available</b>	Compressed and Raw: 320×240@30fps / 352×288@30fps / 640×360@30fps / 640×480@30fps Raw only: 800×600@ 15 fps Compressed only : 800×600@30fps / 1280×720@30fps / 1920×1080@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 dB
<b>Dynamic Range</b>	86 dB
<b>Sensitivity</b>	5.0 V / lux-sec@550nm
<b>Mini Illumination</b>	0. 01 lux
<b>Working temperature</b>	-20 °C ~ 85 °C
<b>Operating system requirements</b>	Windows 7 or above Linux 2.6 or above Android 4.0 or above
<b>Connecting Port Type</b>	USB 2.0 High Speed – Plug & PLayer
<b>USB Cable</b>	1.0 Meter
<b>Control methods</b>	Niryo Studio / Python API / TCP IP

Representative



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