



NIRYO

HUMAN - MOTION - ROBOT

TECHNICAL SPECIFICATIONS

VISION SET

NED ADD-ON

Model	ELP-USBFHD06H-L21
Sensor	Sony IMX322
Lens Size	2.1 mm
Pixel Size	12.8×11.6 mm
Image Area	2000(H)×1121(V) approx. 2.24 M pixels
Max Resolution	1080p (1920×1080)
Resolution & Frame Rate Available	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
Shutter Type	Electronic rolling shutter / Frame exposure
Adjustable Parameters	Brightness, Contrast, Saturation, Hue, Sharpness, Gamma, Gain, White Balance, Backlight Contrast, Exposure
Raw Format	YUV
Compressed Formats	H264 & MJPEG
S/N Ratio	42 dB
Dynamic Range	86 dB
Sensitivity	5.0 V / lux-sec@550nm
Mini Illumination	0. 01 lux
Working temperature	-20 °C ~ 85 °C
Operating system requirements	Windows 7 or above Linux 2.6 or above Android 4.0 or above
Connecting Port Type	USB 2.0 High Speed – Plug & PLayer
USB Cable	1.0 Meter
Control methods	Niryo Studio / Python API / TCP IP

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