\$FLIR[®]



30 MP, 360° SPHERICAL CAMERA IMAGING SYSTEM

FLIR LADYBUG[®] 5+ USB 3.1 Gen 1

P/N LD5P-U3-51S5

The Ladybug5+ offers the highest quality in spherical 360° imaging and accuracy. It is able to acquire an impressive 8k30 or 4k60 of content. With its patented calibration and superior global shutter sensors, the Ladybug5+ has an accuracy level of 2 mm at 10 m. The Ladybug SDK provides a wide range of functionality, allowing users to record, process, and export spherical content with ease.

www.flir.com/spherical-vision



SUPERIOR IMAGE QUALITY

With it's Sony Pregius global shutter CMOS sensors, the Ladybug5+ delivers outstanding image quality across a wide range of lighting conditions There is no solar smearing in outdoor images, excellent color response, low noise, and a high dynamic range (approx. 70.6dB dynamic range or 12 stops) indoors and out. Fast f/2.5 lenses enable excellent low-light image quality.



ENHANCED IMAGE QUALITY WITH POST PROCESSING

The workflow starts with Ladybug5+ capturing, compressing, and transmitting full bit depth 12-bit images. Users then use LadybugCapPro to apply white balance, gamma, and other image processing functions for maximum image quality.



FLEXIBILITY WITH NON DESTRUCTIVE POST-PROCESSING

The capture and post workflow model allows users to maintain flexibility by being able to return to the original content and re-apply post processing steps as desired.

Frame Rate 30 FPS (JPEG Compressed) Megapixels 30 MP (5 MP x 6 sensors) Sensor Sony IMX244. CMOS, 2/3" Readout Method Global shutter Pixel Size 3.45 µm A/D Converter 12-bit Data Formats Raw6, Raw12, Raw16 uncompressed, and JPEG compressed Precision Timestamps RS232 GPS NMEA string and PPS over GPIO Shutter, gain, white balance, gamma and JPEG compression, programmable via software 0.02 ms to 2 seconds (extended shutter modes) Shutter Global shutter, Auto/manual/one-push/extended shutter Pixel Spatial Accuracy Average accuracy of 2 mm at 10 m Sain Auto/manual/one-push modes for 8-bit formats; manual mode for 12-bit formats 0 - 18 dB Gamma 0.50 to 4.00 White Balance Presets/automatic/manual High Dynamic Range Cyclet 4 gain and exposure presets Digital Interface USB3 with looking screws for secure connection Transfer Rates 5 Gbit/s CPIO 12-pin GPIO connector for external trigger input, strobe output, power, and PPS External Trigger Modes Standard, skip frames, overlapped, and multi shot trigger modes Dimensions 197 mm diameter, 160 mm height (with lens hoo	SPECS	LD5P-U3-51S5
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Temperature Operating: -20° to 50°C; Storage: -30° to 60°C Humidity Operating: 20 to 80% (no condensation); Storage: 20 to 95% (no condensation) Compliance CE, FCC, RoHS Operating System Windows or Linux 64-bit for capture and recording only with 8 GB RAM Environmental Rating IP65 Certified	Spherical Distance	Calibrated from 2 m to infinity
Humidity Operating: 20 to 80% (no condensation); Storage: 20 to 95% (no condensation) Compliance CE, FCC, RoHS Operating System Windows or Linux 64-bit for capture and recording only with 8 GB RAM Environmental Rating IP65 Certified	Focus Distance	~200 cm. Objects have an acceptable sharpness from ~60 cm to infinity
Compliance CE, FCC, RoHS Operating System Windows or Linux 64-bit for capture and recording only with 8 GB RAM Environmental Rating IP65 Certified	Temperature	Operating: -20° to 50°C; Storage: -30° to 60°C
Operating System Windows or Linux 64-bit for capture and recording only with 8 GB RAM Environmental Rating IP65 Certified	Humidity	Operating: 20 to 80% (no condensation); Storage: 20 to 95% (no condensation)
Environmental Rating IP65 Certified	Compliance	CE, FCC, RoHS
	Operating System	Windows or Linux 64-bit for capture and recording only with 8 GB RAM
Narranty 2 Years	Environmental Rating	IP65 Certified
	Warranty	2 Years

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VN: 19-1811-OEM-v3

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