



LEOPARD
IMAGING

LI-OV10650-495-FPDLINKIII-xxxH Data Sheet

Key Features

- OmniVision CMOS 1.7MP Image Sensor OV10650
- Optical format: 1/2.09"
- Maximum resolution: 1824H x 940V
- Pixel size: 4.2 x 4.2 μm
- YUV output without compression
- Includes OV495 ISP
- Support WDR
- Lens: FOV H 60° / 120°
- TI953 FPD-Link III serializer
- Connector: FAKRA Z TYPE
- Water proof: IP67
- Operation Temp: -40°C ~ +105°C ambient temp; -40°C ~ +125°C junction temp
- Size: 30 x 30 x 37.8 mm
- Weight: 50 g
- Part#:



Application

- Autonomous driving
- Camera monitoring system
- Surround and rear view system

LI-OV10650-495-FPDLINKIII-xxxH



Leopard Imaging Inc.

910 Auburn Ct, Fremont, CA 94538, USA
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Fax: +1-408-217-1960
Email: sales@leopardimaging.com
Website: www.leopardimaging.com

Cable Connector

- Housing Connector- FAKRA Z Type
- Cable length: 3 meters
Support single Coax Cable transmit up to 15 meters
- FAKRA type connectors



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Ordering Information

Part#: LI-OV10650-495-FPDLINKIII-xxxH

Note:

xxxH - 060H: FOV H 60°
 120H: FOV H 120°

LI- OV10650-495-FPDLINKIII -060H	LI- OV10650-495-FPDLINKIII-120H
	
<p>Lens EFL: 8.0 mm F#: 1.8 FOV(D): 70° FOV(H): 59.5° FOV(V): 29°</p>	<p>Lens EFL: 3.939 mm F#: 2.2 FOV(D): 143.6° FOV(H): 120.2° FOV(V): 64.2°</p>
	



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Key Features

- USB 3.0 Super Speed support
- YUV output without compression
- Support WDR
- UVC compliance
- Provide customization services
- 12VDC Power Supply
- Weight: 91 g
- Single Coax Cable transmit up to 15 meter PoC(Power over Cable)
- Power consumption: Approx. 133mA at 12VDC
- Support Windows, Linux OS and other OS which include the UVC drivers.



SDK Supported

- Camera Tool Source Code in C#
- Capture & Display

LI-USB30-DESER-FPDLINKIII



LI-OV10650-495-FPDLINKIII can connect to LI-USB30-DESER-FPDLINKIII as a USB 3.0 camera.

Part#: **LI-USB30-OV10650-495-FPDLINKIII-xxxH**



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Revision History

Revision	Description	Release Date
1.0	First Release	16. Jul. 2018
1.1	Deleted lens model info.	11. Aug. 2023
1.2	1. Updated 120H camera info, dimensions and pictures on the first page. 2. Deleted 3-Meter FAKRA cable P/N.	23. Jan. 2025

