

🏠 DepthAI Hardware Documentation

latest

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- ⊞ [Getting started with OAK PoE devices](#)
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- ⊞ [OAK Series 3](#)

ROBOTICS VISION CORE

- ⊞ [Robotics Vision Core 2](#)
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USB DESIGNS

SS



igned to provide an accurate long range stereo depth change the [M12 lenses](#) for the cameras, which also affects eption.

color cameras, that act as a multi-stereo pairs to achieve e depth perception.

[SoM-Pro](#) to make a overall compact design. The use of the king it easier to mount or fit in various robotic processes. The ; for any necessary [modifications](#).

ns

OAK-D LR camera uses **either**:

JSB2 and USB3 (5Gbps / 10Gbps).
ffers full 802.3af and Class 3 PoE compliance with
[PoE injector/switch](#) is required to power the device.

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USB DESIGNS

air / Color
(color, PY056)
2° / 56°
L920x1200)
): 45cm - ∞
1200P)
μm

ne [RVC2](#). Main features:

- 4 TOPS for AI - [RVC2 NN Performance](#))
- architected/built ones - models need to [be converted](#).
- 5 - 4K/30FPS, 1080P/60FPS
- resize, crop via [ImageManip](#) node, [edge detection](#), [feature](#)
- [n CV functions](#)
- tering, [post-processing](#), [RGB-depth alignment](#), and high

king with [ObjectTracker](#) node

ht

[Main](#) [SDK](#) [API](#) [Hardware](#)

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technical support or any other questions you might have.

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