

## e-con Systems™ launches a new 3D ToF MIPI camera for NVIDIA® Jetson processors

940nm/850nm | MIPI CSI 2 | Multi-camera support | NVIDIA | Depth range upto 12m | <1% accuracy

**California and Chennai (March 03, 2023)** - [e-con Systems™](#), a leading OEM embedded camera manufacturer and solution provider launches DepthVista\_MIPI\_IRD, a 3D Time of Flight (ToF) camera for NVIDIA® Jetson AGX Orin™ / AGX Xavier™ with outdoor robustness.

[DepthVista\\_MIPI\\_IRD](#) is a 3D ToF MIPI camera designed for precise 3D depth measurement. It comes with a wider spectral range to power outdoor as well as indoor embedded vision systems. The camera uses the MIPI CSI 2 interface to connect to NVIDIA® Jetson AGX Orin™/ AGX Xavier™. It has a scalable depth range up to 12 meters (6m by default).



### Key features of DepthVista\_MIPI\_IRD

- **940 nm / 850nm** – Precise 3D imaging in both outdoor and indoor lighting conditions.
- **Depth scalability** – Scalable depth range up to 12m (6m by default). Comes with <1% accuracy.
- **Multicamera without interference** - A proprietary technique is used to operate multiple ToF cameras without interference noise to provide reliable depth data.
- **Compatibility with NVIDIA Jetson** - Ready to deploy with NVIDIA Jetson platforms for easy and quick prototyping.
- **On-camera depth processing** – Avoids complications like running depth matching algorithms on the host platform.

To know more about these features in detail, [click here](#).

#### Video link:

<https://www.youtube.com/watch?v=uBGXBfLqxzI>



#### Video link:

<https://www.youtube.com/watch?v=3f9qeT1YpgM>



*“Last year, we launched a 3D USB camera solution powered by ToF technology, specifically designed for applications that operate in indoor environments. We have since received several requests for a 3D depth camera suitable for outdoor environments that can also work with the NVIDIA Jetson processor family through a MIPI-CSI2 interface. So, we are now launching DepthVista\_MIPI\_IRD, a ToF MIPI camera, for NVIDIA Jetson platforms. It is perfect for indoor and outdoor embedded vision applications.”, said Gomathi Sankar, Business Unit Head- Industrial at e-con Systems™.*

### **Availability**

Customers interested in evaluating DepthVista\_MIPI\_IRD can visit the [online web store](#) and purchase the product.

### **Customization and integration support**

e-con Systems with its deep expertise and knowledge in various camera interfaces and depth sensing technologies provides necessary customization services and end-to-end integration support for DepthVista\_MIPI\_IRD to meet your application’s unique requirements. Please write to us at [camerasolutions@e-consystems.com](mailto:camerasolutions@e-consystems.com) if you are looking for any customization or integration support.

### **About e-con Systems™**

Established in 2003, e-con Systems has grown into a leading OEM camera solution provider with a wide global footprint. We provide end-to-end camera solutions like [MIPI camera modules](#), [GMSL cameras](#), [FPD Link III cameras](#), [USB 3.1 Gen 1 cameras](#), [GigE cameras](#), [stereo cameras](#), and more. Over the years, we have reimagined how they are used in industries such as retail, medical, industrial, agriculture, smart city, etc.

We are also powered by a strong partner ecosystem including sensor partners, ISP partners, carrier board partners, etc. This enables us to offer end-to-end vision solutions. So far, we have built 250+ product solutions – shipping over 2 million cameras across 90+ countries around the globe.

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