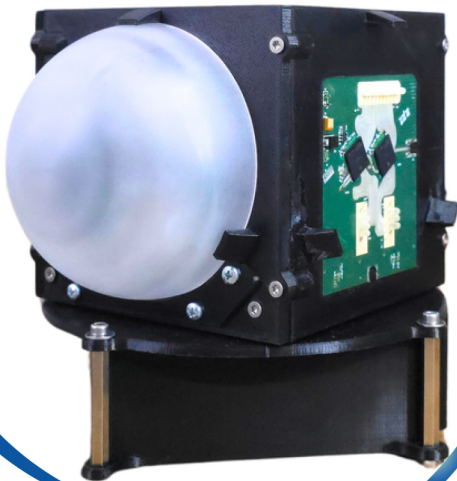**EPAK**

Range:	0.2m to 10m
Frequency Range:	57 GHz to 64 GHz
Maximum Bandwidth:	4 GHz
Radar Chipset:	Texas Instruments - IWR6243 (8x)
Virtual Array:	3 x 16 (Elevation x Azimuth)
Resolution (without SAR):	Azimut: ~7°
Elevation:	~30°
Resolution (with SAR):	Azimut: ~2.5°
Elevation:	~12°
Processing Unit:	Nvidia Jetson
External Interface:	Ethernet / EtherCAT (optional)

RADROB

360° FMCW Radar for Industrial Applications

Angular resolution enables radar to distinguish between objects that are close to each other

Features

- Internal radar raw data calibration and processing with Range-Doppler map generation, target filtering and angle estimation
- Neural processing unit of Jetson platform available for custom post-processing
- Algorithms for material determination based on holographic radar principle
- Tag recognition based on cheap PCB tags

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