DEMO DISTANCE2GO

Overview

Description:

Infineon radar demo board based on the BGT24MTR11– FMCW & Doppler (distance, speed, and direction of movement detection)
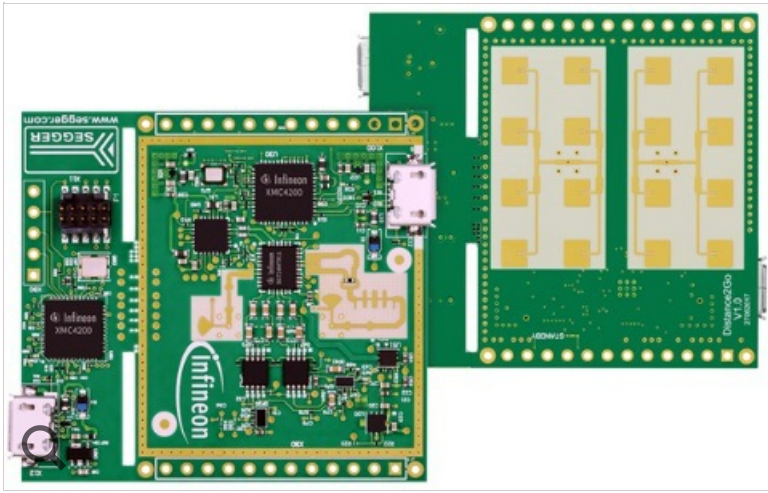
Kit contains:

- Demo board
- Info sheet
- SW GUI to operate kit
- Precompiled C libraries provided
- Source code (FW + basic radar algorithms)
- PCB schematic and gerber files

Summary of Features:

- Capability to detect distance of moving and static targets (Targets include humans)
- Capability to detect motion, speed and direction of movement (approaching or retreating)
- BGT24MTR11 - 24 GHz highly integrated RF MMIC
- XMC4200 ARM® - Cortex® - M4 - 32-bit industrial microcontroller (Requires external debugger)
- Integrated antennas

Target Applications:

- Drone landing assist
- Drone obstacle avoidance
- Smart home
- Building security
- Street lighting
- Industrial automation
- Tank level sensing

Parametrics

Parametrics	DEMO DISTANCE2GO
Configuration	XMC4200 BGT24MTR11
Description	Radar demo board based on the BGT24MTR11– FMCW & doppler (distance, speed, and direction of movement detection)
Family	Radar
Product Description	Infineon radar demo board based on the BGT24MTR11– FMCW & Doppler (distance, speed, and direction of movement detection)
Target Application	Industrial
Type	Demo Board

Documents

+ Expand all

+ Product Brief

Distance2Go Development Kit (/dgdl/Infineon-Distance2Go Development Kit-PB-v02_00-EN.pdf?fileId=5546d4625debb399015e0951648d40f3)
› EN (/dgdl/Infineon-Distance2Go Development Kit-PB-v02_00-EN.pdf?fileId=5546d4625debb399015e0951648d40f3)
02_00 | 2017-08-22 | pdf | 539 KB

+ Application Notes

AN543: BGT24MTR11 Distance2Go Demoboard (/dgdl/Infineon-AN543_BGT24MTR11_XMC4200_Distance2Go_DemoBoard-AN-v01_01-EN.pdf?fileId=5546d4626102d35a01614694b8b04eeb)
› EN (/dgdl/Infineon-AN543_BGT24MTR11_XMC4200_Distance2Go_DemoBoard-AN-v01_01-EN.pdf?fileId=5546d4626102d35a01614694b8b04eeb)
01_01 | 2018-01-30 | pdf | 4 MB

➕ Product Information

📄 Quick Start Guide Radar GUI Distance2Go (/dgdl/Infineon-Quick_Start_Guide_Radar_GUI_Distance2Go-PI-v02_00-EN.pdf?fileId=5546d4625debb399015e2d817ebe1528)
> EN (/dgdl/Infineon-Quick_Start_Guide_Radar_GUI_Distance2Go-PI-v02_00-EN.pdf?fileId=5546d4625debb399015e2d817ebe1528)
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Sales Product Name	DEMO DISTANCE2GO
OPN	DEMODISTANCE2GOTOBO1
Product Status	on request
Package name	
Order online	
Completely lead free	
Halogen free	
RoHS compliant	no
Packing Size	1
Packing Type	CONTAINER
Moisture Level	
Moisture Packing	NON DRY

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