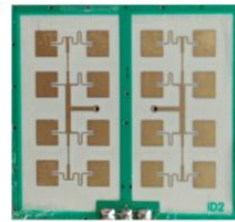


	<h2>Engineering Specification</h2>	페이지: 1 / 2
작성일자: 2020.05.21	HDR Specification	작성자 : 라승탁

[HDR(Human Detection Radar)] Features

- 24GHz K-band radar
- Include antenna
- Small size / Low cost
- Low power consumption
- Customer friendly output
- Easily use
- Doppler

In progress
Demonstration Possible



[HDR] Applications

- Measure heartbeat
- Breathing rate
- Elderly care
- Detection movement

	Engineering Specification	페이지: 2 / 2
작성일자: 2020.05.21	HDR Specification	작성자 : 라승탁

[HDR] Specification

Features	
Project name	HDR
Hardware size	35 x 35 mm
Transmit frequency	24.15GHz
IF outputs	Single - ended
TX power	16 dBm
Antenna gain	9 dBi
Beam width(NPBW)	Horizontal : 45° Vertical : 30°
Supply voltage / current	5 Vdc / 60 mA
Output signals	Signal
Operating temperature	-20 °C ~ 60 °C

Performance		
Detect distance	Range	Human : 1m ~ 5m

[HDR] Pin map

PIN	Name	Remark
1	VCC 5V DC	Power +
2	Signal	-
3	GND	Power -