

PROTOCOL for V22_ZOD_Protocol_KEY_Data_v01

Based on IWR1642_ES2_CC381_SDK3204_A291_ZOD
v01 2020.03.31 1. basic

Abstract:

This document dedicated description for ZOD (Zone Occupant Detection) KEY Data Protocol based on mmWave Platform and UART baud as 115200/8/n/1

Description:

The Key Data Protocol structure definition as following,
<Structure> := H F D S C T (more detail see Appendix A1)

Appendix:

(A1) Protocol: total 20 bytes

```
/** PROTOCOL for KeyData syntax := H F D S C T
/** *****
/** KEY DATA PROTOCOL
/** *****
/** (22.11) PROTOCOL: H F D S C T
/** -----
/** Item  Abbre  Name      Location      Length  Type      Description
/** -----
/** 0      H      Header    0              1        U8        Header('(')
/** 1      F      Frame      1 2 3 4        4        U32       Frame Number
/** 2      D      Decision  5 6 7 8        4        U8x4      Decison on Zone1, 2, 3 and 4
/** 3      S      State      9 10           2        U8x2      Two Independent PATH States
/** 4      C      Counter   11 12 13 14 15 16 17 18  8        U16x4     Four Direction Counter
/** 5      T      Tail       19             1        U8        Tail (')')
/** *****
```

ALERT: 1. Location 7 and 8 (for Decision Zone3 and Zone4) are not used here
2. Location 10 (for State) is not used here
3. Location 15, 16, 17 and 18 (for Counter) are not used here