

## DS-TDSB00-EKT/POE/4M Fall Detection Radar Sensor

- No privacy disclosure.
- Non-contact posture detection.
- High detection accuracy and low false alarm rate.
- Detects person and non-person in the area.
- Supports locating target and transmit location.
- Supports 4m \* 5m detection range
- Supports transmitting data to platform by OTAP protocol.
- Supports connecting to Wi-Fi.

## • Specification

| Radar                      |                                                                                                                                                                                                        |
|----------------------------|--------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| Working Frequency          | 60 to 63 GHz                                                                                                                                                                                           |
| Modulation Waveform        | FMCW                                                                                                                                                                                                   |
| Horizontal Detection Angle | ± 45°                                                                                                                                                                                                  |
| Vertical Detection Angle   | ± 45°                                                                                                                                                                                                  |
| Max. Detectable Targets    | Up to 1 target(s)                                                                                                                                                                                      |
| Detection Target Type      | Human                                                                                                                                                                                                  |
| Detection Distance         | 5 m × 4 m                                                                                                                                                                                              |
| Function                   |                                                                                                                                                                                                        |
| General Function           | Supports human body detection, fall detection, and target tracing.                                                                                                                                     |
| Network                    |                                                                                                                                                                                                        |
| Protocols                  | TCP/IP, ICMP, HTTP, HTTPS, FTP, SFTP, DHCP, DNS, DDNS, RTP, RTSP, RTCP, NTP, SMTP, SNMP, IGMP, 802.1X, IPv4/IPv6, UDP, SSL/TLS, ISUP, ARP                                                              |
| API                        | ISAPI, SDK, OTAP                                                                                                                                                                                       |
| User/Host                  | Up to 16 users, 3 user levels: administrator, operator, and user.                                                                                                                                      |
| Security                   | Password protection, complicated password, HTTPS encryption, basic and digest authentication for HTTP/HTTPS, RTP/RTSP over HTTPS, control timeout settings, TLS 1.2, host authentication (MAC address) |
| Web Browser                | IE9 to IE11, Chrome V61+, IE9 to IE11, Firefox V41+, Edge                                                                                                                                              |
| Client                     | Hik-Central Pro, Hik-Connect, Hik-Parter Pro                                                                                                                                                           |
| Interface                  |                                                                                                                                                                                                        |
| Network Interface          | Wi-Fi, 1 RJ45 10/100 Mbps self-adaptive Ethernet port(s)                                                                                                                                               |
| Indicator                  | Supported                                                                                                                                                                                              |
| General                    |                                                                                                                                                                                                        |
| Power                      | DC 5 V, 2 A, max. 10 W, Type-C,<br>PoE: 802.3af, type 1, class 3, max. 10 W                                                                                                                            |
| Material                   | PC                                                                                                                                                                                                     |
| Dimensions                 | Ø90 mm × 81 mm (Ø3.54" × 3.19")                                                                                                                                                                        |
| Package Dimensions         | 419 mm × 319 mm × 307 mm (16.5" × 12.56" × 12.09") (L × W × H)                                                                                                                                         |
| Weight                     | Approx. 130 g (0.29 lb.)                                                                                                                                                                               |
| With Package Weight        | Approx. 520 g (1.15 lb.)                                                                                                                                                                               |
| Operating Condition        | -10 °C to 50 °C (-14 °F to 122 °F). Humidity: 0% to 90% (non-condensing)                                                                                                                               |
| Storage Condition          | -40 °C to 60 °C (-40 °F to 140 °F). Humidity: 95% or less (non-condensing)                                                                                                                             |
| Installation Height        | 2 m                                                                                                                                                                                                    |
| Approval                   |                                                                                                                                                                                                        |
| EMC                        | CE-EMC: EN 55032: 2015/A11:2020+A1:2020, EN IEC61000-3-2: 2019/A1:2021, EN 61000-3-3: 2013+A1:2019/A2:2021, EN 50130-4: 2011 +A1: 2014                                                                 |
| RF                         | CE-RED: EN 305550-2 V1.2.1, EN 300328 V2.2.2, EN 301489-1 V2.2.3, EN 301489-52 V1.2.1, EN 301489-17 V3.2.4, EN IEC 62311:2020                                                                          |
| Safety                     | CB: IEC 61010-1: 2010, IEC 61010-1: 2010/AMD1: 2016,<br>CE-LVD: EN 61010-1: 2010+A1: 2019                                                                                                              |
| Environment                | CE-RoHS: 2011/65/EU,<br>WEEE: 2012/19/EU,<br>Reach: Regulation (EC) No 1907/2006                                                                                                                       |
| Protection                 | IP54: IEC 60529: 1989+A1: 1999+A2: 2013                                                                                                                                                                |