



易探科技·人居探测雷达

EasyDetek Technology · Human Habitation Detection Radar

品质稳定·出货量·技术领先



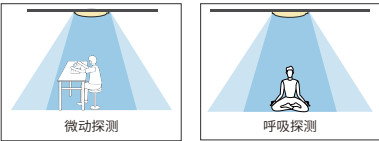
智能家居

智能照明

智慧商业

医疗康养

雷达传感器
Radar Sensors



应用场景
Application Scenes



特点
Features

- 遥控和拨码开关双重调节, 用户根据需求配置相关参数。
Remote control and dip switch dual adjustment. Users configure relevant parameters according to their needs
- 支持智能光感调节, 实时感知人体运动、微动和存在探测。
Supports intelligent light-sensitive adjustment, real-time sensing of human movement, micro-motion and presence detection.
- 支持IOT模块进行多级智能调参, 满足场景变化需求。
Support IOT module for multi-level intelligent configurations to meet the change of various scenarios.

型号 Model Number	特征 Features	输出方式 Output mode	尺寸 Size	挂高 hang up high	感应半径 Sensing Radius	输入电压 Input Voltage
 EDQ253-T-Z	24G 涂鸦Zigbee 24G Tuya Zigbee	涂鸦Zigbee	开孔φ55mm Perforation φ55mm	<4m	移动:1-5.5m 存在:0.5-4m	AC 90-260V 50/60Hz
 EDQ253-T-B	24G 涂鸦BLE 24G Tuya BLE	涂鸦BLE	开孔φ67mm Perforation φ67mm	<4m	移动:6m max 存在:5m max	AC 90-260V 50/60Hz
 EDC253-T-Z	5.8G 涂鸦Zigbee 5.8G Tuya Zigbee	涂鸦Zigbee	开孔φ55mm Perforation φ55mm	常规3m general	移动:1.5-4m	AC 90-260V 50/60Hz
 EDQ251-T-Z/W	24G 涂鸦明装 24G Tuya Surface Mounting	Zigbee/WIFI	φ92mm	<4m	移动:1-5.5m 存在:0.5-4m	AC 90-260V 50/60Hz
 EDQ251-G	24G 干接点明装 24G Dry Contact Surface Mounting	干接点	φ92mm	<4m	移动/存在: 5m (0.5-5m可调)	<1.5W@12V DC
 EDQ254-G	24G 干接点 24G Dry Contact	干接点	开孔φ45mm Perforation φ45mm	<4m	移动:5.5m max 存在:4m max	DC 12-24V
 EDC254-G	5.8G 干接点 5.8G Dry Contact	干接点	开孔φ45mm Perforation φ45mm	常规3m general	移动:4.5m (可调)	DC 12-24V
 EDQ253-S	24G 强电 24G ON/OFF Function	ON/OFF	开孔φ55mm Perforation φ55mm	常规3m general	移动:5.5m max 存在:4.5m max	AC 90-260V 50/60Hz
 EDC253-S	5.8G 强电 5.8G ON/OFF Function	ON/OFF	开孔φ55mm Perforation φ55mm	常规3m general	移动:4-6m	AC 90-260V 50/60Hz
 EDQ282-S	24G 强电款 双路继电器输出 24G Powerful model dual relay output	ON/OFF	开孔φ85mm Perforation φ85mm	<4m	移动:4.5m max 存在:4m max	AC 90-260V 50/60Hz
 EDQ25L-S	24G 狭长型 强电传感器 24G Narrow Type High-voltage sensor	ON/OFF	开孔φ65mm Perforation φ65mm	常规3m general	长边:18-20m 短边:2-4m	AC 90-260V 50/60Hz
 EDQ25L-K	24G 狭长型 KNX传感器 24G Narrow Type KNX Sensor	KNX	开孔φ65mm Perforation φ65mm	常规3m general	长边:18-20m 短边:2-4m	AC 90-260V 50/60Hz
 EDQ255-K	24G KNX存在传感器 24G KNX Presence Sensor	KNX	开孔φ55mm Perforation φ55mm	<4m	移动:5.5m max 存在:4.5m max	DC 12-30V
 EDC255-K	5.8G KNX移动传感器 5.8G KNX Mobile Sensor	KNX	开孔φ55mm Perforation φ55mm	5-8m	移动:6m max	DC 12-30V
 EDQ201-T-Z EDQ201-M	24G 红外雷达双鉴 低功耗传感器 24G infrared radar dual sensor Low power sensor	涂鸦Zigbee 3.0 米家	φ46mm φ46mm	侧装1.2~2m Side mounted 1.2~2m	移动:6m(max) 存在:6m(max)	2.9~3.2V DC
 EDQ25M	24G 米家 24G Mijia	米家	开孔φ55mm Perforation φ55mm	常规3m general	移动:0.5~2m 存在:0.5~2m	AC 90-260V 50/60Hz
 EDQ254-4	24G RS 485协议 24G RS 485 Protocol	RS 485协议	开孔φ45mm Perforation φ45mm	<4m	移动:4.5m max 存在:4m max	DC 12-24V
 EDQ253-D	24G DALI-2协议 24G DALI-2 Protocol	DALI-2协议	开孔φ55mm Perforation φ55mm	<4m	移动:6m(max) 存在:5m(max)	AC 90-260V 50/60Hz

在位生命体征监测/
人员追踪统计监测/
跌倒和人体姿态监测
Vital Signs and Sleep Monitoring /
People Tracking and Statistics Monitoring/
Fall And Body Posture Monitoring



生命体征/睡眠监测
智能分析/隐私安全



存在监测/人员统计
轨迹追踪/智能管控



跌倒监测/及时上报
人体姿态识别探测



医疗康养



居家监测



商业场所

60GHz 康养监测产品
60GHz Health Monitoring Product



医疗康养



居家监测



庭院灯

人体微动/存在产品
24G Micro-motion/Presence Detection
Products



微动探测



呼吸探测

应用场景
Application Scenes



智能办公



智慧商业



智能家居



医疗康养

特点
Features

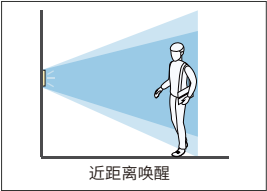
- 可实时感知人体运动、微动和存在的状态。
Real-time sensing of human movement, micro-movements and presence.
- 支持挂顶、挂壁等多种安装方式。
Support various installation such as ceiling mounted and wall mounted.

型号 Model Number	特征 Features	通讯方式 communication method	尺寸 Size	安装方式 Size	感应半径 Sensing Radius
 EDV28A	在位生命体征监测雷达 Radar for Vital Sign and Sleep Monitoring	UART、TCP (SOCKET、HTTPS)	Φ80*14mm	背靠式 嵌床式	0.05-0.6m
 EDV21B/EDV25B	人员追踪统计监测雷达 Radar for People Tracking and Statistics Monitoring	UART、TCP (SOCKET、HTTPS)	Φ80*14mm	背靠式 嵌床式/ 吸顶安装 悬挂安装	>3.5-5m 面积:7×7m
 EDV25P-K/T-Z	跌倒监测雷达传感器 Fall monitoring radar sensor	KNX 涂鸦Zigbee	开孔Φ55mm Perforation Φ55mm	吸顶安装 悬挂安装	跌倒:0-2.5m 存在:5m Max

型号 Model Number	特征 Features	输出方式 Output mode	尺寸 Size	输入 Input	功耗 Power	频率 Frequency
 EDV151	在位生命体征监测雷达 Radar for Vital Sign and Sleep Monitoring	UART	15*18mm	3.3V	≤0.1W	60GHz
 EDV163	1T3R毫米波雷达 1T3R millimeter wave radar	GPIO	18*15mm	3.3V	≤0.2W	60GHz

型号 Model Number	特征 Features	输出方式 Output mode	尺寸 Size	挂高 hang up high	感应半径 Sensing Radius	输入/功耗 Input/Power	输出 Output	频率 Frequency
 EDQ15L	自带蓝牙 Hang Up High Version	IO/UART /PWM	22*16mm	常规3m general	<5m	5-8V 35-50mA	3.3V	24GHz
 EDQ18K	性价比高 quality-price ratio	UART/IO	18*15mm	常规3m general	移动:3-5m 存在:3-5m	3.3V/5-8V兼容 30-50mA	3.3V	24GHz
 EDQ15K	挂高版 Hang Up High Version	IO/UART	18*15mm	常规3m general	移动:0.2-5m 存在:0.2-5m	3.3V/5-8V 30-45mA	3.0-3.6V	24GHz
 EDQ152	智能空间管理 Smart Space Management	IO/UART /PWM	20*18mm	≤4m	移动:5-6m 存在:4-5m	5-8V 40mA	3.3V	24GHz
 EDQ154C	窄角度, 精准测距 Narrow angle, accurate ranging	UART	30*36mm	侧装1.2m side mount	测距范围 0.3-5m	5-8V 15±3mA	3.3V	24GHz
 EDQ154R	窄角度, 人存占位探测 Narrow Angle, Human Occupancy Detection	IO/UART	30*36mm	常规3m general	0.5-1m (YZ平面) 1-1.5m (XZ平面)	5-12V 15±3mA	3.3V	24GHz
 EDQ18KA	高精度感知 high-precision sensing	IO/UART	18*15mm	常规3m general	4-6m	5-8V 35-45mA	3.3V	24GHz
 EDQ162	20m远距离探测 20m Long Range Detection	IO/PWM	22*24mm	常规3m general	移动:2.5-8m 存在:2-6m	5-8V 70±3mA	3.3V	24GHz

侧装/近距离唤醒产品
Side-mounted/Proximity Wake-up
Products



应用产品
Application Products



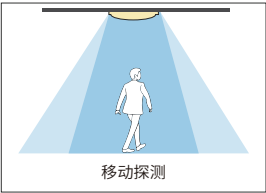
特点
Features

- 区间内准确识别,屏蔽区间外干扰。
Block out the interference outside the interval.
- 小巧简化,方便产品外观设计。
Compact and simplified, favoring exterior design of the lamp.
- 适合应用需求较近和正对感应的产品。
Suitable for products with close application requirements and positive induction.

型号 Model Number	特征 Features	输出方式 Output mode	尺寸 Size	感应半径 Sensing Radius	输入/功耗 Input/Power	输出 Output	频率 Frequency
 EDQ155	PIR+24G雷达双鉴 PIR+24G Radar Dual Identification	IO	24*26mm	6m(max)	3.3V 115±10uA(低功耗) 30±5uA(超低功耗)	3.3V	24GHz
 EDQ15K	侧装版 Side-mounted Version	IO/UART	18*15mm	移动:0.2-5m 存在:0.2-5m	3.3V/5-8V 30-40mA	3.3V	24GHz
 EDQ12K	手势识别 gesture recognition	IO/UART	7*49mm	移动/存在 0.2-5m	3.3V/5-8V 25-40mA	3.3V	24GHz
 EDQ12M	马桶专用,测距测角 Toilet-specific, distance and angle measurement	IO/UART	42*25mm	0.4-0.8m	5-8V DV 40-60mA	5V	24GHz
 EDQ10S	智能门锁专用,IIC通信 测距测角,超低功耗 For Smart Door Locks	IO	35*15mm	0.75-3m	3.3V ≤30uA	3.3V	24GHz
 EDQ12J	镜子灯专用 For Mirror Lights	IO/UART	18*15mm	移动/存在 0.7-1.5m	5-8V <35mA	3.3V	24GHz
 EDQ12KA	短距离感应 Short distance sensing	IO/UART	38*7mm	5m(可调)	5-8V DC 0.2W	3.3V	24GHz
 EDQ10A	超低功耗 Ultra-low power	IO	12*8mm	5m(可调)	3.3V <0.0001w	3.3V	24GHz
 EDC103C	智能门锁专用, 超低功耗 For Smart Door Locks ultra-low power	IO	40*14mm	0.3-2m	3.3V 21±2uA	3.3±0.1V	5.8GHz
 EDC104C	智能门锁专用/IIC, 超低功耗 For Smart Door Locks ultra-low power	IO	40*13mm 35*13mm	0.3-2m	3.3V	3.3±0.1V	5.8GHz
 EDX103	小尺寸 Small Dimension	IO	22*11mm	近档:0.8m 远档:1.2m	3.3V <55uA	3.3V	10.5GHz
 EDX104	智能门锁专用 For Smart Door Locks	IO	35*12mm	近档:0.8m 远档:1.2m	3.3V <55uA	3.3V	10.5GHz
 EDX12Y	窄尺寸,高性价比 Narrow size, cost-effective	IO	45*9.5mm	0-5m	5-12V 2.5±0.2mA	3.3±0.1V	10.5GHz
 EDX106	智能门锁专用 For Smart Door Locks	IO	12*7.5mm	0.3-2m	3.3V <55uA	3.3±0.1V	10.5GHz

人体移动探测产品

Human Motion Detection Products



应用产品/场景

Application Products/Scenes



特点

Features

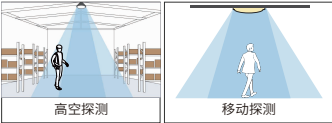
■ 根据客户的产品和使用场景, 提供针对性和丰富的雷达模块, 可覆盖所有需求。

Depending on the customer's products and usage scenarios, targeted and extensive radar modules are available to cover all requirements.

型号 Model Number	特征 Features	输出方式 Output Mode	尺寸 Size	挂高 hang up high	感应半径 Sensing Radius	输入/功耗 Input/Power	输出 Output	频率 Frequency
 EDC18P	低功耗, 性价比高 Low power consumption and cost-effective	高低电平	18*18mm	常规3m general	3-5m	5-12V 1±0.2mA	3.3V	5.8GHz
 EDC18F	通用款 Universal Model	IO/PWM	20*20mm	常规3m general	3-5m	5-12V 11mA/ 1.6mA	3.3V	5.8GHz
 EDC18K	低功耗, 小尺寸 Low power consumption, small size	IO	16*16mm	常规3m general	2-4m	5-12V 1±0.2mA	3.3±0.2V	5.8GHz
 EDC15F	探测距离远 Long Detection Distance	IO/PWM	20*20mm	常规3m general	4-6m	7-12V 18.5mA	5V	5.8GHz
 EDC116	兼容性强 High Compatibility	IO/UART /PWM	20*22mm	常规3m general	6-9m	7-12V 21mA	5V	5.8GHz
 EDC18J	灯丝灯专用 For Filament Lamps	IO/PWM	Φ20mm	常规3m general	3-5m	5-12V 12±1mA	3.3V	5.8GHz
 EDC15SA	集控应用 Centralized control applications	IO/PWM	20*20mm	常规3m general	3-5m	5-12V 11±2mA	3.3±0.2V	5.8GHz
 EDC188C	拓展性强 Highly Expandable	IO/PWM	20*20mm	常规3m general	3-5m	5-12V 14.5±0.5mA/ 1.3±0.2mA	3.3V	5.8GHz
 EDC189C	超低功耗 ultra-low power	IO	20*20mm	顶装3m 侧装30cm 侧装1.2m	3-5m	5-12V 190±20uA 69±5uA 22±5uA	3.3V	5.8GHz
 EDC132	遥控可调 Remote Control Adjustable	IO/PWM	20*22mm	常规3m general	2-6m可调	12V 19.5mA	5V	5.8GHz
 EDC15H	插卡安装 Plug-in Installation	IO/PWM	23.5*20mm	常规3m general	4-6m	7-12V 18±2mA	5V	5.8GHz
 EDC114B	带屏蔽盖, 适合北美 With shielded cover for North America	IO/PWM	20*20*5mm	常规3m general	4-6m	7-12V 18±2mA	5V	5.8GHz
 EDX18G	小尺寸 Small size	IO (可定制PWM)	16*16mm	常规3m general	3-5m	5-8V 27±2mA	5V	10.5GHz
 EDX18H	可焊接屏蔽盖 Weldable shielding cover	IO	18*18mm	常规3m general	顶装3-5m 侧装1.5m	5-8V 28±2mA(常规) <3mA(低功耗)	3.3±0.1V	10.5GHz

高空系列产品

Aerial Series Products/Accessories



高空应用产品/场景

Aerial Series Application Products/Scenes



高空特点

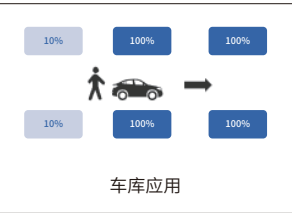
Aerial Series Features

- 针对高空系列产品。
For high altitude series products.
- 适用于挂高要求相对较高的场景。
Suitable for scenes with relatively high hanging height requirements.

型号 Model Number	特征 Features	输出方式 Output Mode	尺寸 Size	挂高 hang up high	感应半径 Sensing Radius	输入/功耗 Input/Power	输出 Output	频率 Frequency
 EDC19A	高空检测 挂高最高达15米 High altitude inspection Hang up to 15 meters high	IO/PWM	27*35mm	常规12m general	7-10m/ 10-12m	5-12V 36mA	3.3V	5.8GHz
 EDC19C	高空检测 挂高最高达13米 High altitude inspection Hang up to 13 meters high	8~12V IO (兼容PWM)	φ30mm	常规13m general	3-5m	8~12V 0.47W	5V±0.2V	5.8GHz
 EDC59Z	Zhaga标准接头 两种输出状态 Zhaga Standard Joint Two Output States	0~10V PWM信号	φ50.4mm	常规12m general	8-12m	12±1V 38-42mA	3.3V PWM /0-10V	5.8GHz
 EDC59I	可独立安装,中空 Self-contained Installation empty interior	5V±0.2V IO/PWM	φ51mm	常规6m general	6-8m	12±1V 38-42mA	5V±0.2V	5.8GHz
 EDC593	可独立安装,高空 Self-contained Installation empty interior	8V~12V IO/PWM	φ44.6mm	常规13m general	4~8m	8~12V	8~12V	5.8GHz

自主学习组网雷达

Autonomous Learning Group Radar



应用产品/场景

Application Products/Scenes



特点

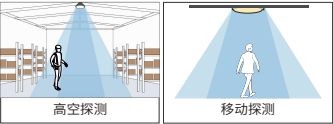
Features

- 支持智能控制系统, 场景联动。
Support intelligent control system, scene linkage.
- 支持蓝牙/WiFi组网形式。
Support Bluetooth/WiFi networking form.

型号 Model Number	通信协议 Comm Protocols	通信距离 Output Distance	尺寸 Size	挂高 hang up high	感应半径 Sensing Radius	输入/功耗 Input/Power	输出 Output
 EDC802	蓝牙mesh Bluetooth Mesh	空旷场地单跳>40 米, 支持多跳 single hop >40m support multi-hop	39*20mm	常规3m general	2-4m	5-12V 30mA	3.3V PWM
 EDC808	蓝牙2.4GHz ISM band 智组网 Bluetooth 2.4GHz ISM band smart networking	空旷场地单跳≤30m, 支持多跳 single hop ≤30m support multi-hop	39*20mm	常规3m general	2-4m	5-12V 30mA	3.3V PWM

配件系列

Accessory Series



配件应用产品/场景

Accessories Application Products/Scenes



停车场



过道



电梯间

配件特点

Accessories Features

- 可搭配灯具, 直接适配; 可独立安装。
Can be mounted directly on the luminaire.
- 可做为开关使用。
Can be used as a switch.

型号 Model Number	特征 Features	输出方式 Output Mode	尺寸 Size	挂高 hang up high	感应半径 Sensing Radius	输入/功耗 Input/Power	输出 Output	频率 Frequency
 EDC211D	高性能开关 High Performance Switches	ON/OFF	49*35*21mm	5-8m	4-7.5m	100-240V ≤0.3W@220V	100-240V	5.8GHz
 EDC53A	支持挂高6m Support Hanging Height 6m	PWM	89*15.8*12mm	3-6m	近档4-7m@挂高3m 远档3-6m@挂高6m	7-12V 23mA	5V±0.2V	5.8GHz
 EDC539	带红外接收头 With Infrared Receiver	PWM	59.4*16*15.2mm	常规3m general	近档:2-5m 远档:4-8m	7-12V@输出5V 12V@输出10V	5V 10V±0.25V	5.8GHz
 EDQ521	橱柜灯专用 For Cabinet Lighting	IO/PWM	Φ43mm	侧装1.5m side mount	0.8-1.5m @侧挂	12V 35-45mA	12±0.5V	24GHz
 EDQ58L-B	自带蓝牙 Built-in Bluetooth	IO/UART/PWM	24*32mm	常规3m general	<5m	5-8V 35-50mA	3.3V	24GHz
 EDQ58G-B	支持蓝牙BLE 5.4 Support Bluetooth BLE 5.4	0-10V DC	24*40mm	常规3m general	5m (max)	12V DC 45-60mA	0-10V	24GHz
 EDQ55D	恒流调光 constant current dimming	DC恒流输出	25.6*45.55mm	常规3m general	0.6-8m (可调)	20-90V DC	DC恒流输出	24GHz

雷达测试设备

Radar Test Equipment



多普勒信号模拟器
Doppler Signal Simulator



功率频率测试仪
Power Frequency Tester



FT测试箱
FT Test Box

公司简介
Company Profile

易探科技成立于2015年，在深圳、成都、华东区域设立研发、制造及销售中心，并荣获国家高新技术企业和“专精特新”企业。

易探科技专注于人体存在探测雷达、人体移动探测雷达、人员追踪统计监测雷达、在位生命体征监测雷达等领域，易探科技还具有天线、射频电路、雷达模组、雷达配件及独立安装传感器的研发和生产测试能力，并开发相应的测试工具及仪器。

易探科技致力于为客户提供易用、好用的人居探测雷达，让雷达技术在民用领域得到广泛应用和普及，并立志成为全球最具应用创新能力的雷达传感器供应商。目前，易探科技在人居探测雷达领域销售出货数量已遥遥领先，并与国内外一线照明品牌、智能家居和家电品牌等建立广泛长期的合作。

EasyDetek Technology was founded in 2015. It has established Research & Development, Manufacturing, and Sales Centers in Shenzhen, Chengdu, and East China. EasyDetek Technology has been awarded as a national high-tech enterprise and a "Specialized and Sophisticated" enterprise.

EasyDetek Technology focuses on areas such as human presence detection radar, human Motion Detection radar, tracking and statistics monitoring radar, and vital signs and sleep monitoring radar. It also has the research & development and production testing capabilities for antennas, radio frequency circuits, radar modules, radar accessories, and independently installed sensors, and has developed corresponding testing tools and instruments.

EasyDetek Technology is committed to providing customers with easy-to-use and excellent human habitation detection radars, making radar technology widely applied and popularized in the civilian field, and is determined to become the most innovative radar sensor supplier in the world.

Currently, EasyDetek Technology has a far-leading sales volume in the field of human habitation detection radar and has established extensive and long-term cooperation with first-line lighting brands, smart home and appliance brands at home and abroad.

拥有雷达天线、算法、射频电路和测试仪器，一体化研发能力

研发团队由博士后专家带队，技术研发人员超40人

自建首条雷达自动化标准产线，雷达模组超15万片/每天

累计出货雷达模组超1亿片，位居行业第一



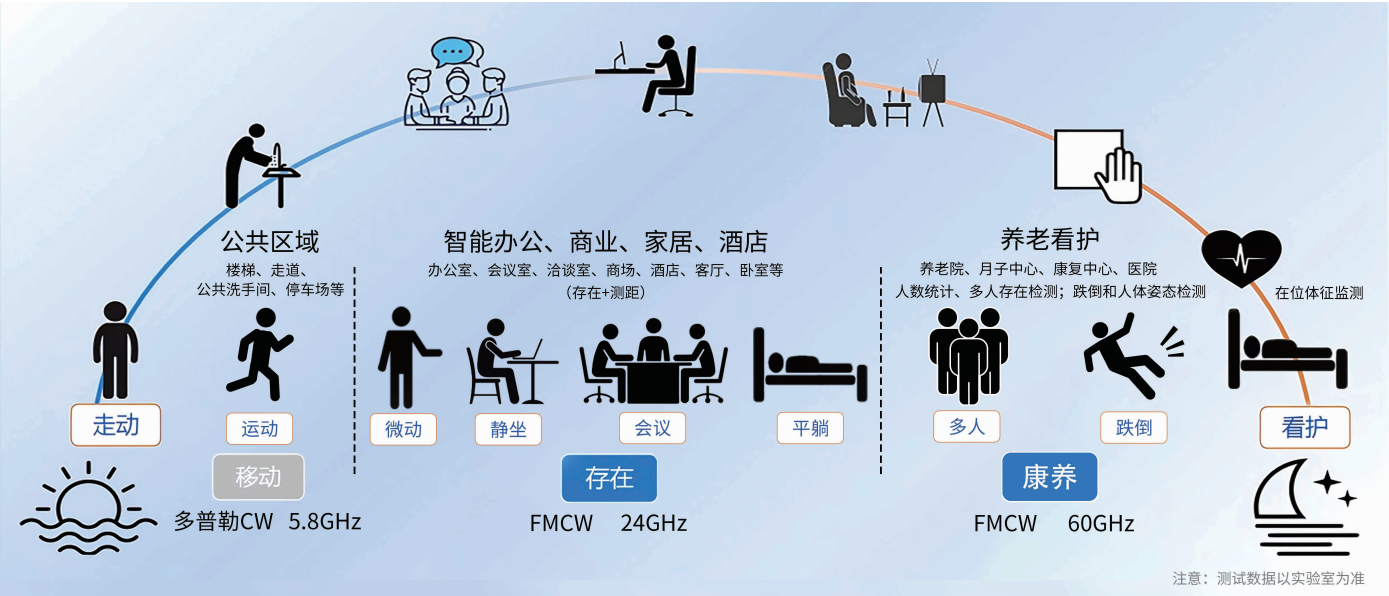
深圳ShenZhen



成都ChengDu



产品场景布局
Product Scene Layout



产品矩阵
Product Matrix

EasyDetek 易探	移动探测			存在探测		在位生命体征监测 人数统计、多人存在检测 跌倒和人体姿态检测	
	5.8GHz 移动探测	10GHz 移动探测	24GHz 存在探测	60GHz 康养监测			
高空: 8-15m	EDC19A EDC59Z	EDC19D EDC591	EDC593	EDQ19K			
	EDC116	EDC536					
常规感应: 3.5-5m	EDC15H EDC114 EDC53A	EDC15F EDC132 EDC539	EDX184	EDQ152			
光源类: 3.5m以内	EDC188 EDC18J EDC134 EDC254-G	EDC189 EDC18P EDC253-T-Z EDC255-K	EDC18F EDC18K EDC808 EDC252-S	EDQ251-T-Z/W EDQ25M EDQ251-G EDQ18K EDQ154		EDQ253-T-B/Z EDQ254-G/4 EDQ282-S EDQ15K EDQ58L-B	
EDQ253-S/D EDQ255-K EDQ255-G EDQ25L-S/K EDQ55D-B EDQ38G-B				EDV25P EDV21B			
EDQ104C	EDX12Y EDX106		EDQ12J EDQ12K EDQ201-T-Z	EDQ105 EDQ201-M EDQ10A		EDV28A EDV25B	

合作客户
COOPERATION WITH CUSTOMERS



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