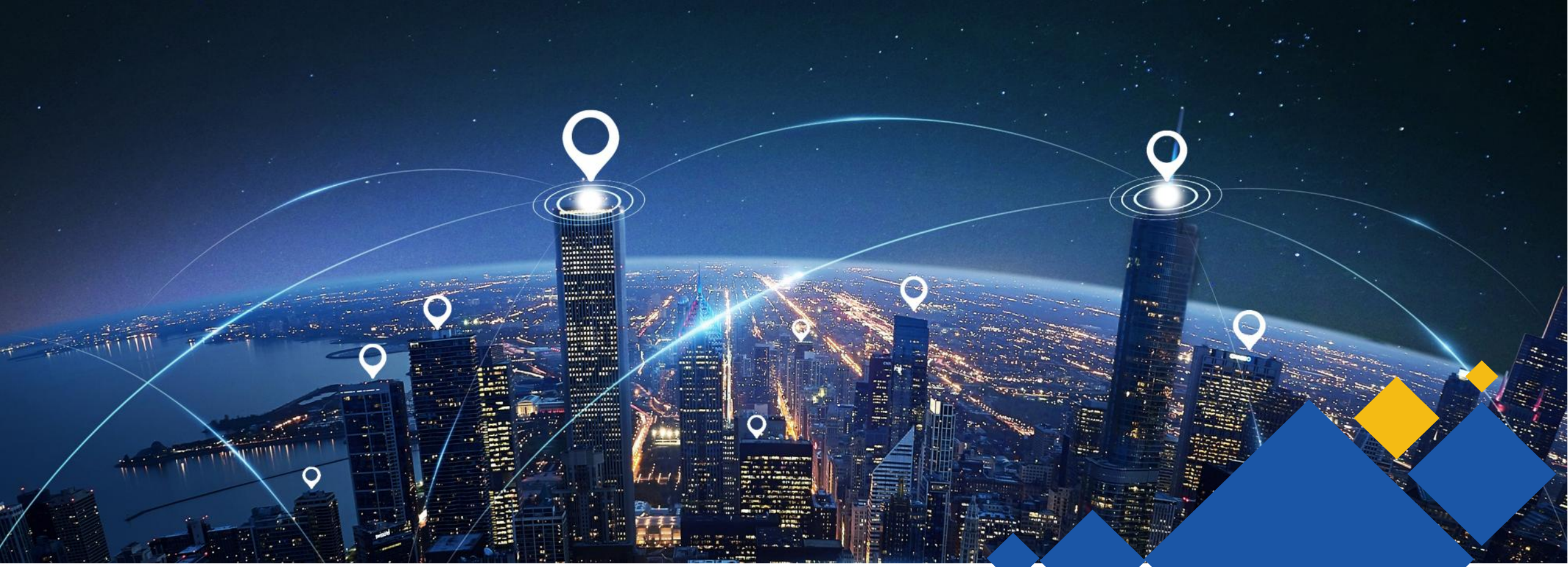


Product Selection Manual —— 2022

沃旭通讯
WOXU WIRELESS

The world-leading IoT solution provider of positioning service

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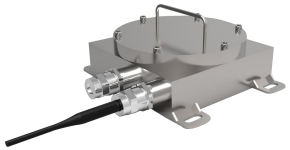
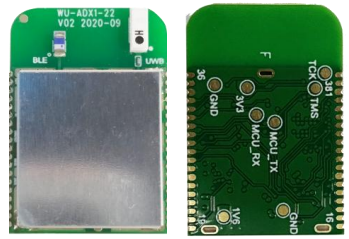
01 Product Catalog

02 Application

03 Coming soon

01 Product Catalog

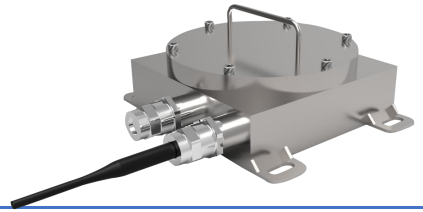
Part1
XPosition

UWB Anchor	 UA-180-DHO  UA-210  UA-210-O  UA-231  UA-220  UA-220-O  UA-221  UAB-100M  UAB-100-D
UWB Tag	 UT-224  UT-229  UT-241-C  UT-241-E  UG-230  UT-230  UT-226-E4
Molude	 UM-104  UM-218  UM-226

UWB Anchor

Model name	Product photo	Product features	Certification	Application
UA-210 UA-210-O		High power 802.3at POE 10/100 ethernet ToF & TDoA IP67	SRRC, RE (UA-210) SRRC, RoHS (UA-210-O)	Indoor (UA-210) Outdoor(UA-210-O)
UA-220 UA-220-O		High power 802.3at POE 10/100 ethernet ToF & TDoA IP67	SRRC,CE,FCC,KCC、 RoHS,WEEE,EMC (UA-220) SRRC (UA-220-O)	Indoor (UA-220) Outdoor(UA-220-O)
UA-231		Low power, non-standard power supply Miniature indoor positioning anchor; Built-in UWB omni-directional antenna ToF & TDoA Support BLE-assisted positioning	SRRC,RE	Hospital Judiciary Exhibition Hall Indoor application

UWB Anchor

Model name	Product photo	Product features	Certification	Application
UA-180-DHO		UWB Dual Channel High Gain Directional Antenna High power, line-of-sight working distance 300m IP67	SRRC	Tunnels Tube corridors
UA-221		Wired Time Synchronization Network, synchronization and power cascade UWB full band support BLE 5.0 (default) or ZigBee 3.0 IP67	SRRC	Industry 4.0
UAB-100M		Exib Ⅱ B T6 Gb explosion-proof rating IEEE 802.15.4a UWB wireless High power, line-of-sight working distance 100m IP65	SRRC,Ex IIC T6 Gb,RE	Factory
UAB-100D		IEEE 802.15.4a UWB wireless ExD Ⅱ C T6 Gb Explosion-proof class IP65	SRRC, Ex d IIC T6 Gb	Line crane, Tunnels

UWB Tag——People

Model	Product Picture	Main Feature	Certification	Applications
UT-224		Based on IEEE 802.15.4z UWB BLE 5.1 Active alarm, one-touch call for help Time, power, physical signs, pedometer, short message, etc., with Chinese and English display Full color touch screen for simple operation Physical signs monitoring Support heart rate, oxygen saturation measurement, all-weather intelligent monitoring signs Magnetic charging	SRRC	Industrial Electric energy Construction sites
UT-229		Based on IEEE 802.15.4a UWB BLE 5.0 SOS button Vibration, beep Alarm alert IP67	SRRC	Industrial Electric energy Construction sites

UWB Tag——People

Model name	Product photo	Product feature	Certification	Application
UT-241-C		BLE 5.0 SOS button Vibration, beeping IP67 RFID	EMC、RoHS、 SRRC、Ex ib IIC T6 Gb	Industrial Electric energy Construction sites
UT-241-E		BLE 5.0 SOS button Vibration, beeping High resolution e-ink screen English and Chinese IP65 RFID (optional)	SRRC	Industrial

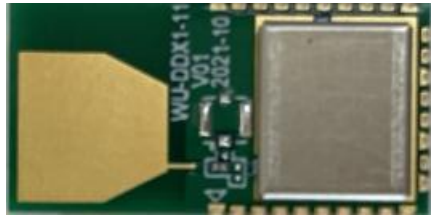
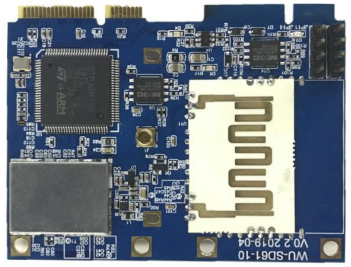
UWB Tag——Vehicle

Model name	Product photo	Product feature	Certification	Application
UG-230		IEEE 802.15.4a UWB Wireless High power, line-of-sight transmission 1500m (@110Kbps) 485 interface Two independent relays (active, passive) Sub-G&BLE (optional)	SRRC	Vehicle Tags Anti-collision Long distance
UT-230		**Based on IEEE 802.15.4a UWB** - Nanosecond pulse signal for centimeter-level positioning accuracy **BLE 5.0** - Auxiliary positioning, data transmission **High brightness LED** **Anti-tampering (optional)** - Support optional anti-tampering back plate, support anti-tampering anti-theft function, increase magnetic suction installation method **IP67**	EMC、SRRC	Vehicle TAG Anti-collision Long range

UWB Tag——Thing

Model name	Product photo	Product feature	Certification	Application
UT-230		**Based on IEEE 802.15.4a UWB** - Nanosecond pulse signal for centimeter-level positioning accuracy **BLE 5.0** - Auxiliary positioning, data transmission **High brightness LED** **Anti-tampering (optional)** - Support optional anti-tampering back plate, support anti-tampering anti-theft function, increase magnetic suction installation method **IP67**	EMC、SRRC	Vehicle TAG Anti-collision Long range
UT-226-E4		**BLE 5.0** - Assisted positioning, data transmission **High resolution ink screen** - Material information, time, power display **Display down** - Platform down display, support key flipping IP65	SRRC	Industry 4.0 Warehouse Logistics

Module

Model	Product Picture	Main Feature	Certification	Application
UM-104		IEEE 802.15.4z UWB Support CH5 and CH9 (6489.6MHz and 7987.2MHz) High integration Low power consumption	SRRC	-
UM-218		Based on IEEE 802.15.4a UWB Built-in antenna TDMA technology UWB null port encryption Dual network integration	SRRC	-
UM-226	 	UWB BLE 5.0 2MB Flash Ultra Small Size	SRRC	-

Part2
dmPosition

BLE Anchor		BA-10
BLE Tag		BT-10
Engine& Platform	 Engine LS-1000	 Platform (WPAS)

Model name	Product photo	Product feature	Certification	Application
BA-10		Support Bluetooth 5.1 IEEE 802.3af/at PoE power supply IP67	SRRC	Enterprise Hospitals Museums Nursing homes Exhibition Hall
BT-10		IEEE 802.15.1 BLE Sub-G backhaul channel SOS button Vibration, beep alert	SRRC	Enterprise Hospitals Exhibition Hall Nursing homes Chemical plants

Software

Model name	Product photo	Product feature	Certification	Application
The Engine LS-1000		UDP TCP HTTP UDP/HTTP protocol forwarding Position resolution engine	-	All
Platform (WPAS)		Real time location Historical track Heat map analysis Security alarm Intelligent inspection Personnel management Facility management Electronic fence System management&maintenance	-	All

Part3
RangeSense

Anti-collision	 UT-229  UT-241-C  UG-230  UG-520
Row crane	 UT-207-HO  UG-230-C
Social Ranging	 UT-206-Z

Anti-collision

Model name	Product photo	Product feature	Certification	Application
UT-229		Based on IEEE 802.15.4a UWB BLE 5.0 SOS button,Vibration, beep,Alarm alert IP67	SRRC	Industrial Electric energy Construction sites
UT-241-C		BLE 5.0 SOS button,Vibration, beeping IP67 RFID	EMC、RoHS、 SRRC、Ex ib IIC T6 Gb	Industrial Electric energy Construction sites
UG-230		IEEE 802.15.4a UWB wireless technology High power, 1500m line of sight transmission (@110Kbps) 485 interface Two independent relays (active, passive) Sub-G&BLE (optional)	SRRC TELEC	Vehicle Tags Human-Vehicle Collision Avoidance
UG-520		Based on IEEE 802.15.4z UWB Sound and light alarm Voice customization RS485	SRRC	Industry 4.0 Warehouse Logistics Port Terminal

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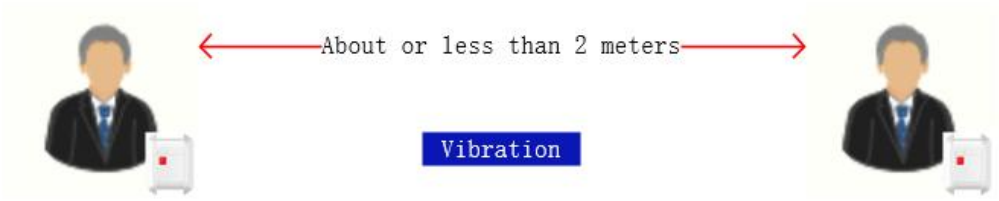
Model name	Product photo	Product feature	Certification	Application
UT-207-HO		IEEE 802.15.4a UWB Wireless Rechargeable lithium battery IP65	SRRC	Row crane
UG-230-C		**Based on IEEE 802.15.4a UWB** - Nanosecond pulse signal for centimeter-level ranging accuracy **High performance RF solution** - High power design for line-of-sight transmission up to 800m **Dual antenna design** - Dual antenna design for bi-directional accurate ranging **RS485** - Support RS485 data return and extended configuration	SRRC TELEC	Vehicle Tags Human-Vehicle Collision Avoidance

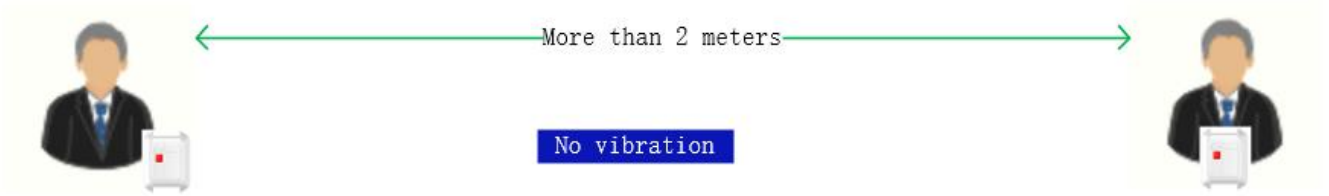
Social Ranging

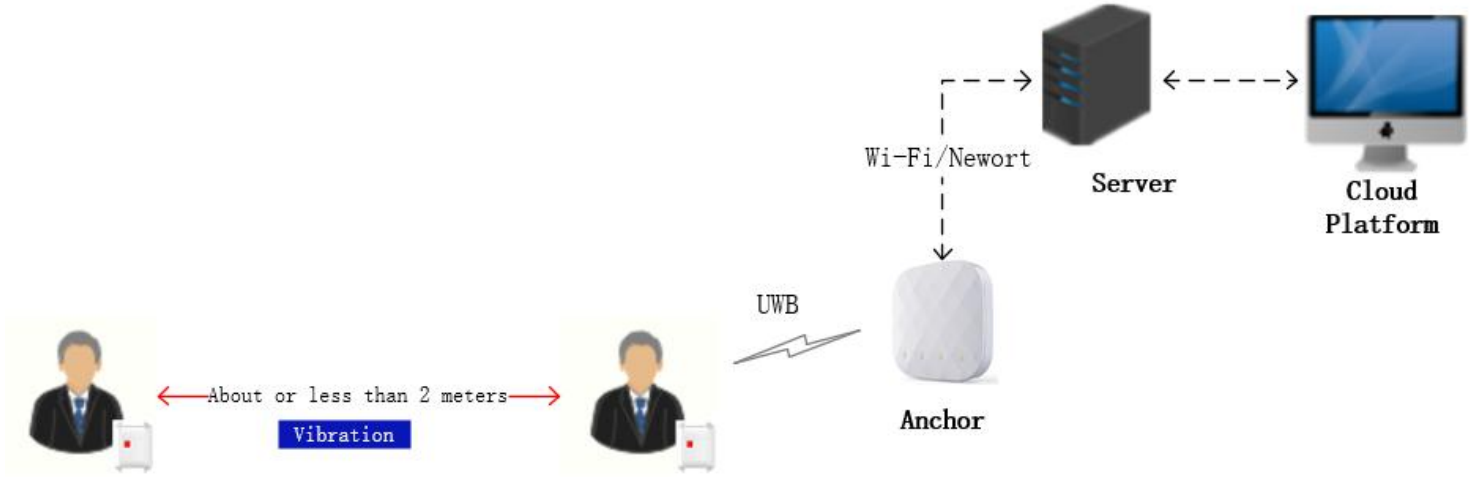


UT-206-Z

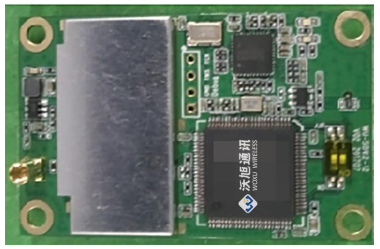
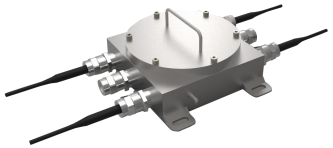




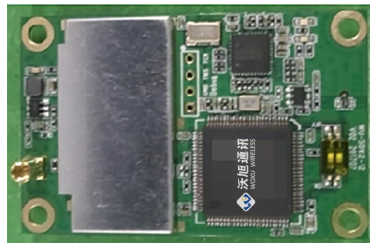




Part4
Other Products

Module	 UM-209H	 UM-221-F
Gateway	 US-10	 DG-420
	 DG-421	 DG-421-D
UWB kit	 UWB RTLS kit	 Anti-collision kit Click on the link to learn more **UG-520**

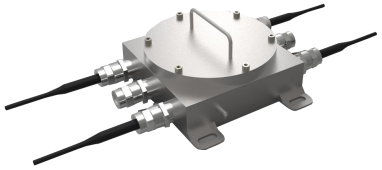
Module

Model	Product Picture	Main Feature	Certification	Application
UM-209H		Simple power supply : Single voltage supply (3.3V) Multiple output methods : Serial output telegrams, Ethernet output telegrams; integrated UWB high-performance PA/LNA. High integration : On-board Ethernet PHY chip, high performance UWB RF chip.	SRRC	Mine
UM-221-F		UWB high power Line-of-sight greater than 400m BLE 4.2 Small size, SMA PAD secondary welding Multiform	SRRC	Mine

Gateway

Model name	Product photo	product feature	Certification	Application
US-10		**Wired time sync controller** ✓ 10 * 10/100M network & synchronization ✓ Support synchronous cascade ✓ 4 * Giga ✓ 1* USB Debug interface	SRRC	Factory
DG-420		**Digital gateway** ✓ IP67 ✓ 433MHz & 2.4GHz ✓ 10/100Mbps Ethernet backhaul	SRRC, Ex ib IIB T6 Gb	-

Gateway

Model name	Product photo	product feature	Certification	Application
DG-421		Ethernet/RS485 Option to support up to 4 channels of 2.4G Sub-G wireless channels IP65	SRRC	Factory
DG-421-D		IEEE 802.15.1 Bluetooth Quad channel Sub-G/2.4G (optional) ExD IIC T6 Gb	SRRC ExD IIC T6 Gb	Chemical plants

02 Application



Industrial Manufacturing

People, vehicles and objects positioning, Electronic fence, Inspection management, Attendance management

Power and Energy

Two-cards integration , Inspection management , Electronic fence , Video linkage , Visitor management





Warehouse logistics

People, vehicles and objects positioning, Electronic fence,
Inspection management, Forklift anti-collision, Attendance management

Mining

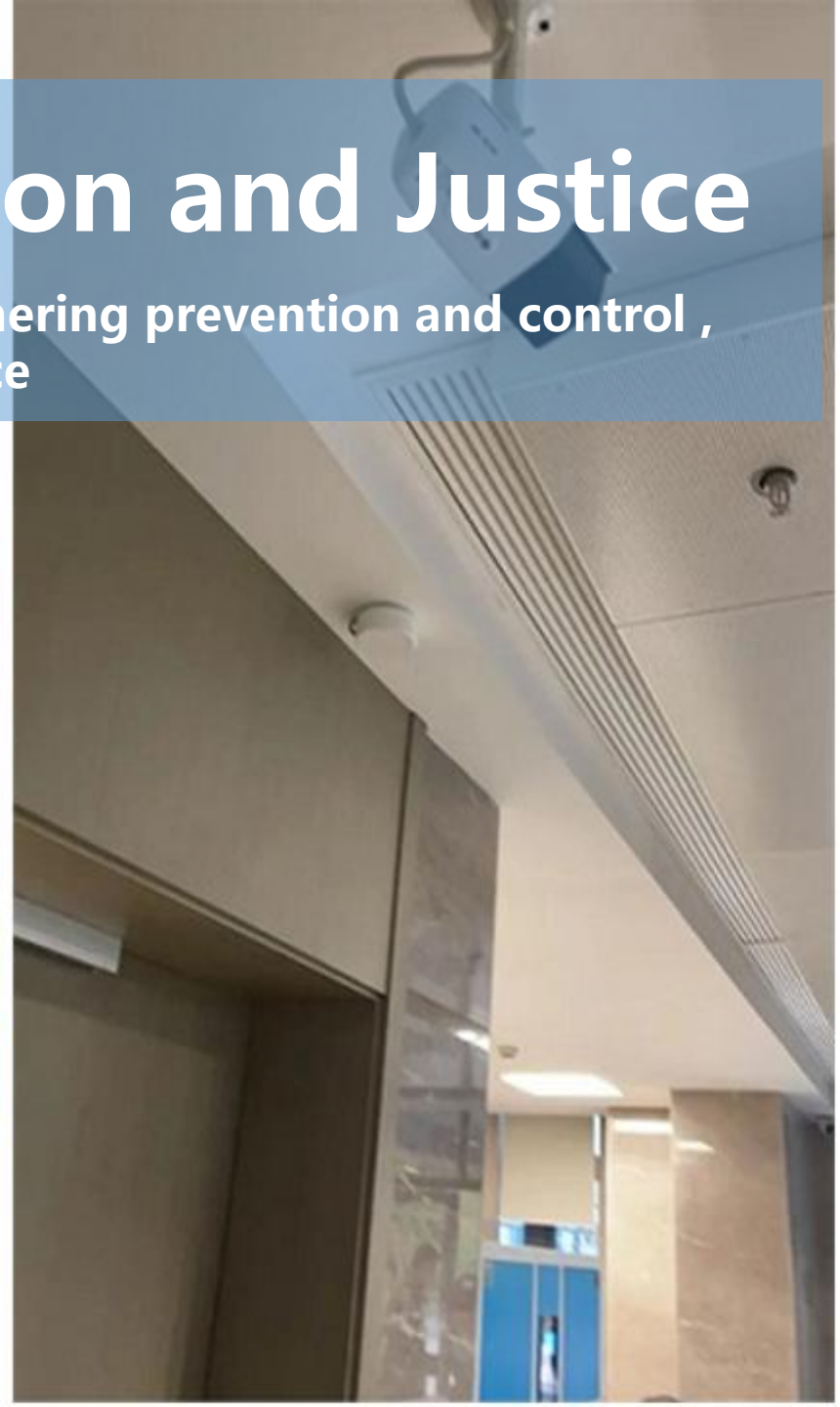
Vehicle management, Attendance management, Emergency alarm, Vital signs monitoring



Public Inspection and Justice

Out of control alarm, Illegal gathering prevention and control , Detention alarm , Electronic fence









Medical care

Health monitoring, Electronic fence, Emergency alarm, Track tracking

03 Coming soon

Health care/Warehouse logistics/Asset(coming soon)

BLE AoA anchor
BA-10





BLE Beacon
BB-10



BT-10



THANKS!

For more information, please follow

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沃旭通讯
WOXU WIRELESS

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