### **Specifications**

GNSS Features	
Channels	1698
GPS	L1C, L1C/A, L2C, L2P(Y), L5
GLONASS	G1, G2, G3
BDS	B1I, B2I, B3I, B1C, B2a, B2b
GALILEO SBAS	E1, E5a, E5b, E6, AltBOC*
IRNSS	L5*
QZSS	L1, L2C, L5*
MSS L-Band*	Reserve
Positioning Output	1Hz~20Hz
Rate	1H2~2UHZ
Initialization Time	< 10s
Initialization	>99.99%
Reliability	
Positioning Precisi	On
Code Differential	Horizontal: 0.25 m + 1 ppm RMS Vertical: 0.50 m + 1 ppm RMS
Positioning	Horizontal: 2.5 mm + 0.5 ppm RMS
GNSS Static	Vertical: 3.5 mm + 0.5 ppm RMS
Static (Long	Horizontal: 2.5 mm + 0.1 ppm RMS
Observation)	Vertical: 3 mm + 0.4 ppm RMS
Daniel Chatia	Horizontal: 2.5 mm + 0.5 ppm RMS
Rapid Static	Vertical: 5 mm + 0.5 ppm RMS
PPK	Horizontal: 3 mm + 1 ppm RMS
1110	Vertical: 5 mm + 1 ppm RMS
RTK(UHF)	Horizontal: 8 mm + 1 ppm RMS
( · /	Vertical: 15 mm + 1 ppm RMS
RTK(NTRIP)	Horizontal: 8 mm + 0.5 ppm RMS
Laser measurement	Vertical: 15 mm + 0.5 ppm RMS
Laser measurement	TCIII+OIIIII/III
SBAS Positioning	Typically<5m 3DRMS
RTK Initialization	2~8s
Time	
IMU Accuracy	8mm+0.7 mm/° tilt
IMU Tilt Angle	Optimal accuracy within 120°
Hardware performa	
Dimension	134mm(φ)×79mm(H)
Weight	860g (battery included)
Material	Magnesium aluminum alloy shell
Operating Temperature	-45°C~+75°C
Storage	-43 C-+13 C
Temperature	-55°C~+85°C
Humidity	100% Non-condensing
Waterproof/Dustpr	IP68 standard
oof	iPoo standard
Shock/Vibration	Withstand 2 meters pole drop onto the
	cement ground naturally
Power Supply	6-28V DC, overvoltage protection
Battery	Inbuilt 7.4v 6800mAh rechargeable Lithium-
	ion battery Static: up to 25h
Battery Life <sup>1</sup>	UHF RTK Rover w/o camera: up to 20h
	Laser Survey: up to 15h
	Visual Stakeout: up to 15h
	UHF RTK Base: up to 12h
Communications	
	5-PIN LEMO interface (external power port +
I/O Port	RS232)
"O I OIL	Type-C interface (charge+OTG+Ethernet)
	LIHE antenna interface

UHF antenna interface

Frequency Range Communication Protocol Protocol Hi-target, Satel Communication Range Giluetooth Bluetooth Bluetooth Bluetooth Bluetooth Bluetooth Bluetooth S.O, Bluetooth 3.0/4.2 standard, Bluetooth 2.1 + EDR NFC Communication Modem BO2.11 b/g/n standard Data Storage/Transmission  16GB SSD internal storage Support automatic cycling storage Support automatic cycling storage Support automatic cycling storage Support external USB storage (OTG) The customizable sample interval is up to 20Hz Plug and play mode of USB data transmission Supports FTP/HTTP data download Static data format: STH, Rinex2.01, Rinex3.02, etc. Differential data format: RTCM 2.1, RTCM 3.2 GPS output data format: NMEA 0183, PJK plane coordinate, Binary code Support: VRS, FKP, MAC, fully support NTRIP protocol  Sensors IMU Built-in IMU module, calibration-free, 120° Front camera: 8MP (can be used in AR stakeout) AR stakeout camera: 2MP Laser 3R green laser, 30m working range Controller software can display electronic bubble, checking leveling status of the carbon pole in real-time Built-in thermometer sensor, adopting intelligent temperature control technology, monitoring and adjusting the receiver temperature  User Interaction Operating System Indicators Web Interaction Voice Guidance Voice Guidance Cloud Service Clo	Internal UHF	2W Radio Tx&Rx
Communication Range (12-15km in optimal condition) Bluetooth Bluetooth 5.0, Bluetooth 3.0/4.2 standard, Bluetooth 2.1 + EDR  NFC Communication Support  Support  Support standard  Data Storage/Transmission  16GB SSD internal storage Support automatic cycling storage Support external USB storage (OTG) The customizable sample interval is up to 20Hz  Data Transmission  Data Plug and play mode of USB data transmission  Supports FTP/HTTP data download Static data format: STH, Rinex2.01, Rinex3.02, etc. Differential data format: NMEA 0183, PJK plane coordinate, Binary code Support: VRS, FKP, MAC, fully support NTRIP protocol  Sensors  IMU Built-in IMU module, calibration-free, 120° Front camera: 8MP (can be used in AR stakeout) AR stakeout camera: 2MP Laser Sagreen laser, 30m working range Controller software can display electronic bubble, checking leveling status of the carbon pole in real-time Built-in thermometer sensor, adopting intelligent temperature control technology, monitoring and adjusting the receiver temperature  User Interaction Operating System Indicators Web Interaction  Voice Guidance  Voice Guidance Cloud Service Online services like remote management, The powerful cloud platform provides online services like remote management,	Communication	Farlink, Trimtalk, SOUTH, HUACE,
Range (12-15km in optimal condition) Bluetooth Bluetooth 5.0, Bluetooth 3.0/4.2 standard, Bluetooth 5.0, Bluetooth 3.0/4.2 standard, Bluetooth 2.1 + EDR  NFC Support Support Support Support automatic cycling storage Support automatic storage (OTG) The customizable sample interval is up to 20Hz  Plug and play mode of USB data transmission Supports FTP/HTTP data download Static data format: STH, Rinex2.01, Rinex3.02, etc. Differential data format: RTCM 2.1, RTCM 2.2, RTCM 3.0, RTCM 3.1, RTCM 3.2 GPS output data format: NMEA 0183, PJK plane coordinate, Binary code Support: VRS, FKP, MAC, fully support NTRIP protocol  Sensors IMU Built-in IMU module, calibration-free, 120° Front camera: 8MP (can be used in AR stakeout) AR stakeout camera: 2MP Laser 3R green laser, 30m working range Controller software can display electronic bubble, checking leveling status of the carbon pole in real-time Built-in thermometer sensor, adopting intelligent temperature control technology, monitoring and adjusting the receiver temperature  User Interaction Operating System Indicators Satellites, data and power indicators With access to Web UI via WiFi or USB connection, users can monitor the receiver status and change the configurations Chinese/English/Korean/Spanish/ Portuguese/Russian/Turkish/French/ Italian/Arabic Provides secondary development package, and opens the OpenSIC observation data format and interaction interface definition The powerful cloud platform provides online services like remote management,	Protocol	Hi-target, Satel
NFC Communication Modem 802.11 b/g/n standard Data Storage/Transmission  16GB SSD internal storage Support automatic cycling storage Support external USB storage (OTG) The customizable sample interval is up to 20Hz  Data Transmission  Plug and play mode of USB data transmission Supports FTP/HTTP data download Static data format: STH, Rinex2.01, Rinex3.02, etc. Differential data format: RTCM 2.1, RTCM 2.2, RTCM 3.0, RTCM 3.1, RTCM 3.2 GPS output data format: NMEA 0183, PJK plane coordinate, Binary code Support: VRS, FKP, MAC, fully support NTRIP protocol  Sensors IMU Built-in IMU module, calibration-free, 120° Front camera: 8MP (can be used in AR stakeout) AR stakeout camera: 2MP Laser 3R green laser, 30m working range Controller software can display electronic bubble be carbon pole in real-time Built-in thermometer sensor, adopting intelligent temperature control technology, monitoring and adjusting the receiver temperature  User Interaction Operating System Indicators Voice Guidance Voice Guidance  Secondary Development Cloud Service Olime Services like remote management, online services like remote management,		
NFC Communication Modem 802.11 b/g/n standard Data Storage/Transmission    16GB SSD internal storage   Support automatic cycling storage   Support automatic cycling storage   Support external USB storage (OTG)   The customizable sample interval is up to 20Hz   Data   Plug and play mode of USB data transmission   Supports FTP/HTTP data download   Static data format: STH, Rinex2.01, Rinex3.02, etc.   Differential data format: RTCM 2.1, RTCM 2.3, RTCM 3.0, RTCM 3.1, RTCM 3.2, GPS output data format: NMEA 0183, PJK plane coordinate, Binary code   Support: VRS, FKP, MAC, fully support   NTRIP protocol   Sensors   IMU   Built-in IMU module, calibration-free, 120°   Front camera: 8MP (can be used in AR stakeout)   AR stakeout camera: 2MP   Laser   3R green laser, 30m working range   Controller software can display electronic bubble, checking leveling status of the carbon pole in real-time   Built-in thermometer sensor, adopting intelligent temperature control technology, monitoring and adjusting the receiver temperature   User Interaction   User Interaction   Chinese/English/Korean/Spanish/   Voice Guidance   Portuguese/Russian/Turkish/French/ Italian/Arabic   Provides secondary development package, and opens the OpenSIC observation data format and interaction interface definition   The powerful cloud platform provides online services like remote management,	Bluetooth	
Modem		_
Storage Storage Storage Support automatic cycling storage Support external USB storage (OTG) The customizable sample interval is up to 20Hz  Data Transmission  Plug and play mode of USB data transmission Supports FTP/HTTP data download Static data format: STH, Rinex2.01, Rinex3.02, etc. Differential data format: RTCM 2.1, RTCM 2.3, RTCM 3.0, RTCM 3.1, RTCM 3.2 GPS output data format: NMEA 0183, PJK plane coordinate, Binary code Support: VRS, FKP, MAC, fully support NTRIP protocol  Sensors IMU Built-in IMU module, calibration-free, 120° Front camera: 8MP (can be used in AR stakeout) AR stakeout camera: 2MP Laser 3R green laser, 30m working range Controller software can display electronic bubble, checking leveling status of the carbon pole in real-time Built-in thermometer sensor, adopting intelligent temperature control technology, monitoring and adjusting the receiver temperature  User Interaction Operating System Indicators Satellites, data and power indicators With access to Web UI via WiFi or USB connection, users can monitor the receiver status and change the configurations Chinese/English/Korean/Spanish/ Portuguese/Russian/Turkish/French/ Italian/Arabic Provides secondary development package, and opens the OpenSIC observation data format and interaction interface definition The powerful cloud platform provides online services like remote management,		802 11 h/a/n standard
Storage  Support automatic cycling storage Support external USB storage (OTG) The customizable sample interval is up to 20Hz  Data Transmission  Plug and play mode of USB data transmission Supports FTP/HTTP data download Static data format: STH, Rinex2.01, Rinex3.02, etc.  Differential data format: RTCM 2.1, RTCM 2.3, RTCM 3.0, RTCM 3.1, RTCM 3.2 GPS output data format: NMEA 0183, PJK plane coordinate, Binary code Support: VRS, FKP, MAC, fully support NTRIP protocol  Sensors IMU  Built-in IMU module, calibration-free, 120° Front camera: 8MP (can be used in AR stakeout) AR stakeout camera: 2MP Laser  3R green laser, 30m working range Controller software can display electronic bubble, checking leveling status of the carbon pole in real-time Built-in thermometer sensor, adopting intelligent temperature control technology, monitoring and adjusting the receiver temperature  User Interaction Operating System Indicators  Satellites, data and power indicators With access to Web UI via WiFi or USB connection, users can monitor the receiver status and change the configurations Chinese/English/Korean/Spanish/ Portuguese/Russian/Turkish/French/ Italian/Arabic Provides secondary development package, and opens the OpenSIC observation data format and interaction interface definition The powerful cloud platform provides online services like remote management,		The state of the s
Storage  Support automatic cycling storage Support external USB storage (OTG) The customizable sample interval is up to 20Hz  Data Transmission  Plug and play mode of USB data transmission Supports FTP/HTTP data download Static data format: STH, Rinex2.01, Rinex3.02, etc. Differential data format: RTCM 2.1, RTCM 2.3, RTCM 3.0, RTCM 3.1, RTCM 3.2 GPS output data format: NMEA 0183, PJK plane coordinate, Binary code Support: VRS, FKP, MAC, fully support NTRIP protocol  Sensors  IMU  Built-in IMU module, calibration-free, 120° Front camera: 8MP (can be used in AR stakeout) AR stakeout camera: 2MP Laser  3R green laser, 30m working range Controller software can display electronic bubble, checking leveling status of the carbon pole in real-time Built-in thermometer sensor, adopting intelligent temperature control technology, monitoring and adjusting the receiver temperature  User Interaction Operating System Indicators With access to Web UI via WiFi or USB connection, users can monitor the receiver status and change the configurations Chinese/English/Korean/Spanish/ Portuguese/Russian/Turkish/French/ Italian/Arabic Provides secondary development package, and opens the OpenSIC observation data format and interaction interface definition The powerful cloud platform provides online services like remote management,	Data Otorage/11ar	
Storage  Support external USB storage (OTG) The customizable sample interval is up to 20Hz  Data Transmission  Plug and play mode of USB data transmission Supports FTP/HTTP data download Static data format: STH, Rinex2.01, Rinex3.02, etc.  Differential data format: RTCM 2.1, RTCM 2.3, RTCM 3.0, RTCM 3.1, RTCM 3.2 GPS output data format: NMEA 0183, PJK plane coordinate, Binary code Support: VRS, FKP, MAC, fully support NTRIP protocol  Sensors  IMU  Built-in IMU module, calibration-free, 120° Front camera: 8MP (can be used in AR stakeout) AR stakeout camera: 2MP  Laser  3R green laser, 30m working range Controller software can display electronic bubble, checking leveling status of the carbon pole in real-time Built-in thermometer sensor, adopting intelligent temperature control technology, monitoring and adjusting the receiver temperature  User Interaction  Operating System Indicators  Web Interaction  Voice Guidance  Voice Guidance  Chinese/English/Korean/Spanish/ Portuguese/Russian/Turkish/French/ Italian/Arabic  Provides secondary development package, and opens the OpenSIC observation data format and interaction interface definition The powerful cloud platform provides online services like remote management,		
The customizable sample interval is up to 20Hz  Data Transmission  Plug and play mode of USB data transmission  Supports FTP/HTTP data download Static data format: STH, Rinex2.01, Rinex3.02, etc.  Differential data format: RTCM 2.1, RTCM 2.3, RTCM 3.0, RTCM 3.1, RTCM 3.2  GPS output data format: NMEA 0183, PJK plane coordinate, Binary code Support: VRS, FKP, MAC, fully support NTRIP protocol  Sensors  IMU Built-in IMU module, calibration-free, 120° Front camera: 8MP (can be used in AR stakeout)  AR stakeout camera: 2MP  Laser 3R green laser, 30m working range Controller software can display electronic bubble, checking leveling status of the carbon pole in real-time  Built-in thermometer sensor, adopting intelligent temperature control technology, monitoring and adjusting the receiver temperature  User Interaction  Operating System Linux  Indicators Satellites, data and power indicators  With access to Web UI via WiFi or USB connection, users can monitor the receiver status and change the configurations  Chinese/English/Korean/Spanish/ Portuguese/Russian/Turkish/French/ Italian/Arabic  Provides secondary development package, and opens the OpenSIC observation data format and interaction interface definition  The powerful cloud platform provides  Cloud Service online services like remote management,	Storage	
Data Transmission  Plug and play mode of USB data transmission  Supports FTP/HTTP data download  Static data format: STH, Rinex2.01, Rinex3.02, etc.  Differential data format: RTCM 2.1, RTCM 2.3, RTCM 3.0, RTCM 3.1, RTCM 3.2 GPS output data format: NMEA 0183, PJK plane coordinate, Binary code Support: VRS, FKP, MAC, fully support NTRIP protocol  Sensors  IMU  Built-in IMU module, calibration-free, 120° Front camera: 8MP (can be used in AR stakeout) AR stakeout camera: 2MP  Laser  3R green laser, 30m working range Controller software can display electronic bubble, checking leveling status of the carbon pole in real-time Built-in thermometer sensor, adopting intelligent temperature control technology, monitoring and adjusting the receiver temperature  User Interaction Operating System Indicators  Satellites, data and power indicators With access to Web UI via WiFi or USB connection, users can monitor the receiver status and change the configurations Chinese/English/Korean/Spanish/ Portuguese/Russian/Turkish/French/ Italian/Arabic Provides secondary development package, and opens the OpenSIC observation data format and interaction interface definition The powerful cloud platform provides Cloud Service Oline Services like remote management,	Otorage	
Data Transmission  Plug and play mode of USB data transmission  Supports FTP/HTTP data download  Static data format: STH, Rinex2.01, Rinex3.02, etc.  Differential data format: RTCM 2.1, RTCM 2.3, RTCM 3.0, RTCM 3.1, RTCM 3.2  GPS output data format: NMEA 0183, PJK plane coordinate, Binary code  Support: VRS, FKP, MAC, fully support NTRIP protocol  Sensors  IMU  Built-in IMU module, calibration-free, 120° Front camera: 8MP (can be used in AR stakeout) AR stakeout camera: 2MP  Laser  3R green laser, 30m working range Controller software can display electronic bubble, checking leveling status of the carbon pole in real-time Built-in thermometer sensor, adopting intelligent temperature control technology, monitoring and adjusting the receiver temperature  User Interaction Operating System Indicators  Web Interaction  Voice Guidance  Voice Guidance  Secondary Development  Provides secondary development package, and opens the OpenSIC observation data format and interaction interface definition The powerful cloud platform provides Cloud Service  Olate Transmission  Static data format: STH, Rinex2.01, meixal and sownload data format and interaction interface definition The powerful cloud platform provides Online services like remote management,		·
Transmission  Transmission  Supports FTP/HTTP data download  Static data format: STH, Rinex2.01, Rinex3.02, etc.  Differential data format: RTCM 2.1, RTCM 2.3, RTCM 3.0, RTCM 3.1, RTCM 3.2  GPS output data format: NMEA 0183, PJK plane coordinate, Binary code Support: VRS, FKP, MAC, fully support NTRIP protocol  Sensors  IMU  Built-in IMU module, calibration-free, 120° Front camera: 8MP (can be used in AR stakeout) AR stakeout camera: 2MP  Laser  3R green laser, 30m working range Controller software can display electronic bubble, checking leveling status of the carbon pole in real-time Built-in thermometer sensor, adopting intelligent temperature control technology, monitoring and adjusting the receiver temperature  User Interaction Operating System Indicators  Veb Interaction  Voice Guidance  Voice Guidance  Provides secondary development package, and opens the OpenSIC observation data format and interaction interface definition The powerful cloud platform provides online services like remote management,		
Supports FTP/HTTP data download Static data format: STH, Rinex2.01, Rinex3.02, etc. Differential data format: RTCM 2.1, RTCM 2.3, RTCM 3.0, RTCM 3.1, RTCM 3.2 GPS output data format: NMEA 0183, PJK plane coordinate, Binary code Support: VRS, FKP, MAC, fully support NTRIP protocol  Sensors IMU Built-in IMU module, calibration-free, 120° Front camera: 8MP (can be used in AR stakeout) AR stakeout camera: 2MP Laser Sar green laser, 30m working range Controller software can display electronic bubble, checking leveling status of the carbon pole in real-time Built-in thermometer sensor, adopting intelligent temperature control technology, monitoring and adjusting the receiver temperature  User Interaction Operating System Indicators Satellites, data and power indicators With access to Web UI via WiFi or USB connection, users can monitor the receiver status and change the configurations Chinese/English/Korean/Spanish/ Voice Guidance Provides secondary development package, and opens the OpenSIC observation data format and interaction interface definition The powerful cloud platform provides online services like remote management,		
Static data format: STH, Rinex2.01, Rinex3.02, etc. Differential data format: RTCM 2.1, RTCM 2.3, RTCM 3.0, RTCM 3.1, RTCM 3.2 GPS output data format: NMEA 0183, PJK plane coordinate, Binary code Support: VRS, FKP, MAC, fully support NTRIP protocol  Sensors IMU Built-in IMU module, calibration-free, 120° Front camera: 8MP (can be used in AR stakeout) AR stakeout) AR stakeout camera: 2MP Laser Sar green laser, 30m working range Controller software can display electronic bubble, checking leveling status of the carbon pole in real-time Built-in thermometer sensor, adopting intelligent temperature control technology, monitoring and adjusting the receiver temperature  User Interaction Operating System Indicators Satellites, data and power indicators With access to Web UI via WiFi or USB connection, users can monitor the receiver status and change the configurations Chinese/English/Korean/Spanish/ Voice Guidance Provides secondary development package, and opens the OpenSIC observation data format and interaction interface definition The powerful cloud platform provides conline services like remote management,	Transmission	
Data Format    Data Format   Data Format		
Data Format  Data Sampler  Data Format  Data Format  Data Sampler  Data Format  Data Sampler  Data Format  Data Sampler  Data Format  Data Format  Data Format  Data Sampler  Data Format  Data Format  Data Sampler  Data Format  Data Sampler  Data Format  Data Sampler  Data Format Sampler  Data Sampler  Data Format Sampler  Data F		
Data Format  2.3, RTCM 3.0, RTCM 3.1, RTCM 3.2 GPS output data format: NMEA 0183, PJK plane coordinate, Binary code Support: VRS, FKP, MAC, fully support NTRIP protocol  Sensors  IMU  Built-in IMU module, calibration-free, 120° Front camera: 8MP (can be used in AR stakeout) AR stakeout camera: 2MP  Laser  3R green laser, 30m working range Controller software can display electronic bubble, checking leveling status of the carbon pole in real-time Built-in thermometer sensor, adopting intelligent temperature control technology, monitoring and adjusting the receiver temperature  User Interaction Operating System Indicators Satellites, data and power indicators With access to Web UI via WiFi or USB connection, users can monitor the receiver status and change the configurations Chinese/English/Korean/Spanish/ Portuguese/Russian/Turkish/French/ Italian/Arabic  Provides secondary development package, and opens the OpenSIC observation data format and interaction interface definition The powerful cloud platform provides Cloud Service  Orenating System Indicators  23, RTCM 3.1, RTCM 3.2 Support NAC, fully support package, and opens the OpenSIC observation data format and interaction interface definition The powerful cloud platform provides		
GPS output data format: NMEA 0183, PJK plane coordinate, Binary code Support: VRS, FKP, MAC, fully support NTRIP protocol  Sensors  IMU Built-in IMU module, calibration-free, 120° Front camera: 8MP (can be used in AR stakeout) AR stakeout camera: 2MP  Laser 3R green laser, 30m working range Controller software can display electronic bubble, checking leveling status of the carbon pole in real-time Built-in thermometer sensor, adopting intelligent temperature control technology, monitoring and adjusting the receiver temperature  User Interaction Operating System Linux Indicators Satellites, data and power indicators With access to Web UI via WiFi or USB connection, users can monitor the receiver status and change the configurations Chinese/English/Korean/Spanish/ Portuguese/Russian/Turkish/French/ Italian/Arabic  Provides secondary development package, and opens the OpenSIC observation data format and interaction interface definition The powerful cloud platform provides Cloud Service online services like remote management,		
plane coordinate, Binary code Support: VRS, FKP, MAC, fully support NTRIP protocol  Sensors  IMU  Built-in IMU module, calibration-free, 120° Front camera: 8MP (can be used in AR stakeout) AR stakeout camera: 2MP  Laser  SR green laser, 30m working range Controller software can display electronic bubble, checking leveling status of the carbon pole in real-time Built-in thermometer sensor, adopting intelligent temperature control technology, monitoring and adjusting the receiver temperature  User Interaction Operating System Indicators Satellites, data and power indicators With access to Web UI via WiFi or USB connection, users can monitor the receiver status and change the configurations Chinese/English/Korean/Spanish/ Portuguese/Russian/Turkish/French/ Italian/Arabic  Provides secondary development package, and opens the OpenSIC observation data format and interaction interface definition The powerful cloud platform provides online services like remote management,	Data Format	
Support: VRS, FKP, MAC, fully support NTRIP protocol  Sensors  IMU Built-in IMU module, calibration-free, 120° Front camera: 8MP (can be used in AR stakeout) AR stakeout camera: 2MP  Laser 3R green laser, 30m working range Controller software can display electronic bubble, checking leveling status of the carbon pole in real-time Built-in thermometer sensor, adopting intelligent temperature control technology, monitoring and adjusting the receiver temperature  User Interaction Operating System Indicators Satellites, data and power indicators With access to Web UI via WiFi or USB connection, users can monitor the receiver status and change the configurations Chinese/English/Korean/Spanish/ Portuguese/Russian/Turkish/French/ Italian/Arabic  Provides secondary development package, and opens the OpenSIC observation data format and interaction interface definition The powerful cloud platform provides Cloud Service		
NTRIP protocol  Sensors  IMU Built-in IMU module, calibration-free, 120° Front camera: 8MP (can be used in AR stakeout) AR stakeout camera: 2MP Laser 3R green laser, 30m working range Controller software can display electronic bubble, checking leveling status of the carbon pole in real-time Built-in thermometer sensor, adopting intelligent temperature control technology, monitoring and adjusting the receiver temperature  User Interaction Operating System Linux Indicators Satellites, data and power indicators With access to Web UI via WiFi or USB connection, users can monitor the receiver status and change the configurations Chinese/English/Korean/Spanish/ Portuguese/Russian/Turkish/French/ Italian/Arabic  Provides secondary development package, and opens the OpenSIC observation data format and interaction interface definition The powerful cloud platform provides Cloud Service online services like remote management,		
Sensors   IMU		
IMU Built-in IMU module, calibration-free, 120° Front camera: 8MP (can be used in AR stakeout) AR stakeout camera: 2MP  Laser 3R green laser, 30m working range Controller software can display electronic bubble, checking leveling status of the carbon pole in real-time Built-in thermometer sensor, adopting intelligent temperature control technology, monitoring and adjusting the receiver temperature  User Interaction Operating System Indicators Satellites, data and power indicators With access to Web UI via WiFi or USB connection, users can monitor the receiver status and change the configurations Chinese/English/Korean/Spanish/ Portuguese/Russian/Turkish/French/ Italian/Arabic Provides secondary development package, and opens the OpenSIC observation data format and interaction interface definition The powerful cloud platform provides Cloud Service	0	NTRIP protocol
Camera  Front camera: 8MP (can be used in AR stakeout)  AR stakeout camera: 2MP  Laser  3R green laser, 30m working range  Controller software can display electronic bubble, checking leveling status of the carbon pole in real-time  Built-in thermometer sensor, adopting intelligent temperature control technology, monitoring and adjusting the receiver temperature  User Interaction  Operating System Indicators  Very Interaction  Web Interaction  Web Interaction  Voice Guidance  Chinese/English/Korean/Spanish/ Portuguese/Russian/Turkish/French/ Italian/Arabic  Provides secondary development package, and opens the OpenSIC observation data format and interaction interface definition  The powerful cloud platform provides  Cloud Service		
Camera stakeout) AR stakeout camera: 2MP  Laser 3R green laser, 30m working range Controller software can display electronic bubble, checking leveling status of the carbon pole in real-time Built-in thermometer sensor, adopting intelligent temperature control technology, monitoring and adjusting the receiver temperature  User Interaction Operating System Indicators Satellites, data and power indicators Web Interaction With access to Web UI via WiFi or USB connection, users can monitor the receiver status and change the configurations Chinese/English/Korean/Spanish/ Portuguese/Russian/Turkish/French/ Italian/Arabic  Secondary Development Provides secondary development package, and opens the OpenSIC observation data format and interaction interface definition The powerful cloud platform provides Cloud Service online services like remote management,		Ruilt-in IMI I module, calibration-free, 120°
AR stakeout camera: 2MP  Laser 3R green laser, 30m working range Controller software can display electronic bubble, checking leveling status of the carbon pole in real-time Built-in thermometer sensor, adopting intelligent temperature control technology, monitoring and adjusting the receiver temperature  User Interaction Operating System Indicators Satellites, data and power indicators With access to Web UI via WiFi or USB connection, users can monitor the receiver status and change the configurations Chinese/English/Korean/Spanish/ Portuguese/Russian/Turkish/French/ Italian/Arabic  Secondary Development Provides secondary development package, and opens the OpenSIC observation data format and interaction interface definition The powerful cloud platform provides Cloud Service Ontroller software can display electronic bubble, checking leveling status of the carbon pole in real-time Built-in thermometer can display electronic bubble, checking leveling status of the carbon pole in real-time Built-in thermometer can display electronic bubble, checking leveling status of the carbon pole in real-time Built-in thermometer can display electronic bubble, checking leveling status of the carbon pole in real-time Built-in thermometer can display electronic bubble, checking leveling status of the carbon pole in real-time Built-in thermometer can display electronic bubble, checking leveling status of the carbon pole in real-time Built-in thermometer can display electronic bubble, checking leveling status of the carbon pole in real-time Checking leveling status of the carbon pole in real-time Built-in thermometer can display electronic bubble, checking leveling status of the carbon pole in real-time Checking leveling status of the carbon pole in real-time Built-in thermometer can display electronic bubble, checking leveling status of the carbon pole in real-time  Built-in thermometer adopting intelligent temperature control excellent pole in real-time  Built-in thermometer adopting intelligent temperature control excellent pol		
Laser 3R green laser, 30m working range Controller software can display electronic bubble, checking leveling status of the carbon pole in real-time Built-in thermometer sensor, adopting intelligent temperature control technology, monitoring and adjusting the receiver temperature  User Interaction Operating System Indicators Satellites, data and power indicators With access to Web UI via WiFi or USB connection, users can monitor the receiver status and change the configurations Chinese/English/Korean/Spanish/ Portuguese/Russian/Turkish/French/ Italian/Arabic  Provides secondary development package, and opens the OpenSIC observation data format and interaction interface definition The powerful cloud platform provides Cloud Service  Ontroller software can display electronic bubble, checking leveling status of the carbon pole in real-time  Built-in thermometer sensor, adopting intelligent temperature control technology, monitoring and adjusting the receiver temperature  User Interaction  Operating System Linux  Inux  Vitha access to Web UI via WiFi or USB connection, users can monitor the receiver status and change the configurations  Chinese/English/Korean/Spanish/ Portuguese/Russian/Turkish/French/ Italian/Arabic  Provides secondary development package, and opens the OpenSIC observation data format and interaction interface definition  The powerful cloud platform provides online services like remote management,	IMU	Front camera: 8MP (can be used in AR
Controller software can display electronic bubble, checking leveling status of the carbon pole in real-time  Built-in thermometer sensor, adopting intelligent temperature control technology, monitoring and adjusting the receiver temperature  User Interaction  Operating System Indicators  Satellites, data and power indicators  With access to Web UI via WiFi or USB connection, users can monitor the receiver status and change the configurations  Chinese/English/Korean/Spanish/  Portuguese/Russian/Turkish/French/ Italian/Arabic  Provides secondary development package, and opens the OpenSIC observation data format and interaction interface definition  The powerful cloud platform provides  Cloud Service	IMU	Front camera: 8MP (can be used in AR stakeout)
Electronic Bubble bubble, checking leveling status of the carbon pole in real-time  Built-in thermometer sensor, adopting intelligent temperature control technology, monitoring and adjusting the receiver temperature  User Interaction  Operating System Linux Indicators Satellites, data and power indicators With access to Web UI via WiFi or USB connection, users can monitor the receiver status and change the configurations  Chinese/English/Korean/Spanish/ Portuguese/Russian/Turkish/French/ Italian/Arabic  Provides secondary development package, and opens the OpenSIC observation data format and interaction interface definition The powerful cloud platform provides  Cloud Service online services like remote management,	IMU Camera	Front camera: 8MP (can be used in AR stakeout) AR stakeout camera: 2MP
Thermometer  Thermometer  Built-in thermometer sensor, adopting intelligent temperature control technology, monitoring and adjusting the receiver temperature  User Interaction  Operating System Indicators  Satellites, data and power indicators With access to Web UI via WiFi or USB connection, users can monitor the receiver status and change the configurations  Chinese/English/Korean/Spanish/ Portuguese/Russian/Turkish/French/ Italian/Arabic  Secondary Development  Provides secondary development package, and opens the OpenSIC observation data format and interaction interface definition The powerful cloud platform provides Cloud Service  Operating System  Linux  Satellites, data and power indicators  With access to Web UI via WiFi or USB connection, users can monitor the receiver status and change the configurations  Chinese/English/Korean/Spanish/ Portuguese/Russian/Turkish/French/ Italian/Arabic  Provides secondary development package, and opens the OpenSIC observation data format and interaction interface definition  The powerful cloud platform provides  online services like remote management,	IMU Camera	Front camera: 8MP (can be used in AR stakeout) AR stakeout camera: 2MP 3R green laser, 30m working range
Thermometer  Built-in thermometer sensor, adopting intelligent temperature control technology, monitoring and adjusting the receiver temperature  User Interaction  Operating System Indicators Satellites, data and power indicators With access to Web UI via WiFi or USB connection, users can monitor the receiver status and change the configurations Chinese/English/Korean/Spanish/ Portuguese/Russian/Turkish/French/ Italian/Arabic  Secondary Development  Provides secondary development package, and opens the OpenSIC observation data format and interaction interface definition The powerful cloud platform provides Cloud Service  Built-in thermometer sensor, adopting intelligents and adjusting the receiver status and appear in USB  Web Interaction  Chinese/English/Korean/Spanish/ Portuguese/Russian/Turkish/French/ Italian/Arabic  Provides secondary development package, and opens the OpenSIC observation data format and interaction interface definition The powerful cloud platform provides Cloud Service	IMU Camera Laser	Front camera: 8MP (can be used in AR stakeout) AR stakeout camera: 2MP 3R green laser, 30m working range Controller software can display electronic
Thermometer intelligent temperature control technology, monitoring and adjusting the receiver temperature  User Interaction  Operating System Linux Indicators Satellites, data and power indicators With access to Web UI via WiFi or USB connection, users can monitor the receiver status and change the configurations Chinese/English/Korean/Spanish/ Portuguese/Russian/Turkish/French/ Italian/Arabic  Secondary Development Provides secondary development package, and opens the OpenSIC observation data format and interaction interface definition The powerful cloud platform provides Cloud Service online services like remote management,	IMU Camera Laser	Front camera: 8MP (can be used in AR stakeout) AR stakeout camera: 2MP 3R green laser, 30m working range Controller software can display electronic bubble, checking leveling status of the
monitoring and adjusting the receiver temperature  User Interaction  Operating System Indicators Satellites, data and power indicators With access to Web UI via WiFi or USB connection, users can monitor the receiver status and change the configurations Chinese/English/Korean/Spanish/ Portuguese/Russian/Turkish/French/ Italian/Arabic  Secondary Development Provides secondary development package, and opens the OpenSIC observation data format and interaction interface definition The powerful cloud platform provides Cloud Service Operating System With access to Web UI via WiFi or USB Connection, users can monitor the receiver status and change the configurations Chinese/English/Korean/Spanish/ Portuguese/Russian/Turkish/French/ Italian/Arabic Provides secondary development package, and opens the OpenSIC observation data format and interaction interface definition The powerful cloud platform provides Cloud Service	IMU Camera Laser	Front camera: 8MP (can be used in AR stakeout) AR stakeout camera: 2MP 3R green laser, 30m working range Controller software can display electronic bubble, checking leveling status of the carbon pole in real-time
temperature  User Interaction  Operating System Indicators Satellites, data and power indicators With access to Web UI via WiFi or USB connection, users can monitor the receiver status and change the configurations Chinese/English/Korean/Spanish/ Portuguese/Russian/Turkish/French/ Italian/Arabic  Secondary Development Provides secondary development package, and opens the OpenSIC observation data format and interaction interface definition The powerful cloud platform provides Cloud Service Operating System With access to Web UI via WiFi or USB connection, users can monitor the receiver status and change the configurations Chinese/English/Korean/Spanish/ Portuguese/Russian/Turkish/French/ Italian/Arabic Provides secondary development package, and opens the OpenSIC observation data format and interaction interface definition The powerful cloud platform provides Cloud Service	IMU Camera Laser	Front camera: 8MP (can be used in AR stakeout) AR stakeout camera: 2MP 3R green laser, 30m working range Controller software can display electronic bubble, checking leveling status of the carbon pole in real-time Built-in thermometer sensor, adopting
User Interaction	IMU Camera Laser Electronic Bubble	Front camera: 8MP (can be used in AR stakeout) AR stakeout camera: 2MP 3R green laser, 30m working range Controller software can display electronic bubble, checking leveling status of the carbon pole in real-time Built-in thermometer sensor, adopting intelligent temperature control technology,
Departing System   Linux	IMU Camera Laser Electronic Bubble	Front camera: 8MP (can be used in AR stakeout) AR stakeout camera: 2MP 3R green laser, 30m working range Controller software can display electronic bubble, checking leveling status of the carbon pole in real-time Built-in thermometer sensor, adopting intelligent temperature control technology, monitoring and adjusting the receiver
Indicators  Satellites, data and power indicators  With access to Web UI via WiFi or USB  connection, users can monitor the receiver status and change the configurations  Chinese/English/Korean/Spanish/  Portuguese/Russian/Turkish/French/ Italian/Arabic  Provides secondary development package, and opens the OpenSIC observation data format and interaction interface definition  The powerful cloud platform provides  Cloud Service  Satellites, data and power indicators  With access to Web UI via WiFi or USB  connection, users can monitor the receiver status and change the configurations  Chinese/English/Korean/Spanish/  Portuguese/Russian/Turkish/French/ Italian/Arabic  Provides secondary development package, and opens the OpenSIC observation data format and interaction interface definition  The powerful cloud platform provides online services like remote management,	IMU Camera Laser Electronic Bubble Thermometer	Front camera: 8MP (can be used in AR stakeout) AR stakeout camera: 2MP 3R green laser, 30m working range Controller software can display electronic bubble, checking leveling status of the carbon pole in real-time Built-in thermometer sensor, adopting intelligent temperature control technology, monitoring and adjusting the receiver
With access to Web UI via WiFi or USB connection, users can monitor the receiver status and change the configurations  Chinese/English/Korean/Spanish/ Portuguese/Russian/Turkish/French/ Italian/Arabic  Provides secondary development package, and opens the OpenSIC observation data format and interaction interface definition The powerful cloud platform provides online services like remote management,	IMU Camera Laser Electronic Bubble Thermometer User Interaction	Front camera: 8MP (can be used in AR stakeout) AR stakeout camera: 2MP 3R green laser, 30m working range Controller software can display electronic bubble, checking leveling status of the carbon pole in real-time Built-in thermometer sensor, adopting intelligent temperature control technology, monitoring and adjusting the receiver temperature
Web Interaction connection, users can monitor the receiver status and change the configurations  Chinese/English/Korean/Spanish/ Portuguese/Russian/Turkish/French/ Italian/Arabic  Provides secondary development package, and opens the OpenSIC observation data format and interaction interface definition The powerful cloud platform provides Cloud Service online services like remote management,	IMU Camera Laser Electronic Bubble Thermometer User Interaction Operating System	Front camera: 8MP (can be used in AR stakeout) AR stakeout camera: 2MP 3R green laser, 30m working range Controller software can display electronic bubble, checking leveling status of the carbon pole in real-time Built-in thermometer sensor, adopting intelligent temperature control technology, monitoring and adjusting the receiver temperature  Linux
status and change the configurations  Chinese/English/Korean/Spanish/ Portuguese/Russian/Turkish/French/ Italian/Arabic  Secondary Development  Provides secondary development package, and opens the OpenSIC observation data format and interaction interface definition The powerful cloud platform provides Cloud Service  status and change the configurations  Portuguese/Russian/Turkish/French/ Italian/Arabic  Provides secondary development package, and opens the OpenSIC observation data format and interaction interface definition The powerful cloud platform provides online services like remote management,	IMU Camera Laser Electronic Bubble Thermometer User Interaction Operating System	Front camera: 8MP (can be used in AR stakeout) AR stakeout camera: 2MP 3R green laser, 30m working range Controller software can display electronic bubble, checking leveling status of the carbon pole in real-time Built-in thermometer sensor, adopting intelligent temperature control technology, monitoring and adjusting the receiver temperature  Linux Satellites, data and power indicators
Voice Guidance  Chinese/English/Korean/Spanish/ Portuguese/Russian/Turkish/French/ Italian/Arabic  Provides secondary development package, and opens the OpenSIC observation data format and interaction interface definition The powerful cloud platform provides online services like remote management,	IMU Camera Laser Electronic Bubble Thermometer User Interaction Operating System Indicators	Front camera: 8MP (can be used in AR stakeout) AR stakeout camera: 2MP 3R green laser, 30m working range Controller software can display electronic bubble, checking leveling status of the carbon pole in real-time Built-in thermometer sensor, adopting intelligent temperature control technology, monitoring and adjusting the receiver temperature  Linux Satellites, data and power indicators With access to Web UI via WiFi or USB
Voice Guidance Portuguese/Russian/Turkish/French/ Italian/Arabic Provides secondary development package, and opens the OpenSIC observation data format and interaction interface definition The powerful cloud platform provides Cloud Service online services like remote management,	IMU Camera Laser Electronic Bubble Thermometer User Interaction Operating System Indicators	Front camera: 8MP (can be used in AR stakeout) AR stakeout camera: 2MP 3R green laser, 30m working range Controller software can display electronic bubble, checking leveling status of the carbon pole in real-time Built-in thermometer sensor, adopting intelligent temperature control technology, monitoring and adjusting the receiver temperature  Linux Satellites, data and power indicators With access to Web UI via WiFi or USB connection, users can monitor the receiver
Secondary Development  Cloud Service  Italian/Arabic  Provides secondary development package, and opens the OpenSIC observation data format and interaction interface definition  The powerful cloud platform provides online services like remote management,	IMU Camera Laser Electronic Bubble Thermometer User Interaction Operating System Indicators	Front camera: 8MP (can be used in AR stakeout) AR stakeout camera: 2MP 3R green laser, 30m working range Controller software can display electronic bubble, checking leveling status of the carbon pole in real-time Built-in thermometer sensor, adopting intelligent temperature control technology, monitoring and adjusting the receiver temperature  Linux Satellites, data and power indicators With access to Web UI via WiFi or USB connection, users can monitor the receiver status and change the configurations
Secondary Development  Provides secondary development package, and opens the OpenSIC observation data format and interaction interface definition The powerful cloud platform provides Cloud Service online services like remote management,	IMU Camera Laser Electronic Bubble Thermometer User Interaction Operating System Indicators Web Interaction	Front camera: 8MP (can be used in AR stakeout) AR stakeout camera: 2MP 3R green laser, 30m working range Controller software can display electronic bubble, checking leveling status of the carbon pole in real-time Built-in thermometer sensor, adopting intelligent temperature control technology, monitoring and adjusting the receiver temperature  Linux Satellites, data and power indicators With access to Web UI via WiFi or USB connection, users can monitor the receiver status and change the configurations Chinese/English/Korean/Spanish/
Development and opens the OpenSIC observation data format and interaction interface definition  The powerful cloud platform provides online services like remote management,	IMU Camera Laser Electronic Bubble Thermometer User Interaction Operating System Indicators Web Interaction	Front camera: 8MP (can be used in AR stakeout) AR stakeout camera: 2MP 3R green laser, 30m working range Controller software can display electronic bubble, checking leveling status of the carbon pole in real-time Built-in thermometer sensor, adopting intelligent temperature control technology, monitoring and adjusting the receiver temperature  Linux Satellites, data and power indicators With access to Web UI via WiFi or USB connection, users can monitor the receiver status and change the configurations Chinese/English/Korean/Spanish/ Portuguese/Russian/Turkish/French/
format and interaction interface definition The powerful cloud platform provides Cloud Service online services like remote management,	IMU Camera Laser Electronic Bubble Thermometer User Interaction Operating System Indicators Web Interaction	Front camera: 8MP (can be used in AR stakeout) AR stakeout camera: 2MP 3R green laser, 30m working range Controller software can display electronic bubble, checking leveling status of the carbon pole in real-time Built-in thermometer sensor, adopting intelligent temperature control technology, monitoring and adjusting the receiver temperature  Linux Satellites, data and power indicators With access to Web UI via WiFi or USB connection, users can monitor the receiver status and change the configurations Chinese/English/Korean/Spanish/ Portuguese/Russian/Turkish/French/ Italian/Arabic
The powerful cloud platform provides Cloud Service online services like remote management,	IMU Camera Laser Electronic Bubble Thermometer User Interaction Operating System Indicators Web Interaction Voice Guidance	Front camera: 8MP (can be used in AR stakeout) AR stakeout camera: 2MP 3R green laser, 30m working range Controller software can display electronic bubble, checking leveling status of the carbon pole in real-time Built-in thermometer sensor, adopting intelligent temperature control technology, monitoring and adjusting the receiver temperature  Linux Satellites, data and power indicators With access to Web UI via WiFi or USB connection, users can monitor the receiver status and change the configurations Chinese/English/Korean/Spanish/ Portuguese/Russian/Turkish/French/ Italian/Arabic Provides secondary development package,
Cloud Service online services like remote management,	IMU Camera Laser Electronic Bubble Thermometer User Interaction Operating System Indicators Web Interaction Voice Guidance Secondary	Front camera: 8MP (can be used in AR stakeout) AR stakeout camera: 2MP 3R green laser, 30m working range Controller software can display electronic bubble, checking leveling status of the carbon pole in real-time Built-in thermometer sensor, adopting intelligent temperature control technology, monitoring and adjusting the receiver temperature  Linux Satellites, data and power indicators With access to Web UI via WiFi or USB connection, users can monitor the receiver status and change the configurations Chinese/English/Korean/Spanish/ Portuguese/Russian/Turkish/French/ Italian/Arabic Provides secondary development package, and opens the OpenSIC observation data
	IMU Camera Laser Electronic Bubble Thermometer User Interaction Operating System Indicators Web Interaction Voice Guidance Secondary	Front camera: 8MP (can be used in AR stakeout) AR stakeout camera: 2MP 3R green laser, 30m working range Controller software can display electronic bubble, checking leveling status of the carbon pole in real-time Built-in thermometer sensor, adopting intelligent temperature control technology, monitoring and adjusting the receiver temperature  Linux Satellites, data and power indicators With access to Web UI via WiFi or USB connection, users can monitor the receiver status and change the configurations Chinese/English/Korean/Spanish/ Portuguese/Russian/Turkish/French/ Italian/Arabic Provides secondary development package, and opens the OpenSIC observation data format and interaction interface definition
iliniware updates, online registers, etc.	IMU Camera Laser Electronic Bubble Thermometer User Interaction Operating System Indicators Web Interaction Voice Guidance Secondary Development	Front camera: 8MP (can be used in AR stakeout) AR stakeout camera: 2MP 3R green laser, 30m working range Controller software can display electronic bubble, checking leveling status of the carbon pole in real-time Built-in thermometer sensor, adopting intelligent temperature control technology, monitoring and adjusting the receiver temperature  Linux Satellites, data and power indicators With access to Web UI via WiFi or USB connection, users can monitor the receiver status and change the configurations Chinese/English/Korean/Spanish/ Portuguese/Russian/Turkish/French/ Italian/Arabic Provides secondary development package, and opens the OpenSIC observation data format and interaction interface definition The powerful cloud platform provides
	IMU Camera Laser Electronic Bubble Thermometer User Interaction Operating System Indicators Web Interaction Voice Guidance Secondary Development	Front camera: 8MP (can be used in AR stakeout) AR stakeout camera: 2MP 3R green laser, 30m working range Controller software can display electronic bubble, checking leveling status of the carbon pole in real-time Built-in thermometer sensor, adopting intelligent temperature control technology, monitoring and adjusting the receiver temperature  Linux Satellites, data and power indicators With access to Web UI via WiFi or USB connection, users can monitor the receiver status and change the configurations Chinese/English/Korean/Spanish/ Portuguese/Russian/Turkish/French/ Italian/Arabic Provides secondary development package, and opens the OpenSIC observation data format and interaction interface definition The powerful cloud platform provides online services like remote management,

\*Reserve for future upgrade.

**Remarks:** Measurement accuracy and operation range might vary due to atmospheric conditions, signal multipath, obstructions, observation time, temperature, signal geometry and number of tracked satellites. Specifications subject to change without prior notice.

1.Actual battery life can vary depending on usage patterns and other factors. The listed parameter was obtained under controlled testing conditions.



#### SOUTH SURVEYING & MAPPING TECHNOLOGY CO., LTD.

Add: South Geo-information industrial Park, No.39 Si Cheng Rd, Guangzhou, China Tel:+86-20-23380888 Fax:+86-20-23380800

E-mall: mall@southsurvey.com export@southsurvey.com impexp@southsurvey.com gnss@southsurvey.com http://www.southinstrument.com http://www.southsurvey.com



### **Laser Measurement**

### — Add Them Together to Multiply Your Power

## **Measure More and Further** in Shorter Time

With laser measurement, INNO5 has a broader working range and fewer blind spots, enabling remote measurements in areas with poor GNSS signal quality. Previously challenging spots, like spaces under rooftops and areas with obstacles, are now easily measurable

# Measure in Day or at Night All by Your Need

Laser measurement allows surveyors to collect target point at a dark environment such as night or semi-indoor environment. It also can measure distance indoor.





# **Measure the Unreachable Break the Limits**

Laser measurement allows surveyors to collect target points at a position that traditional RTK can not reach directly, such as points on the surface of a wall, a tree, or sill of window, and the small space that surveyors cannot step in.

# **Keep Away from Dangers Safe than Ever**

Laser Measurement helps users mitigate risks when surveying near hazardous areas, such as busy roads and seas or lakes, ensuring surveyors' safety. A secure working approach is not only a personal requirement but also essential for the well-being of your family.

#### Laser Stakeout & CAD AR Stakeout

### — Lift Your Efficiency to A New Level

## LASER STAKEOUT

#### **To Overcome the Difficulty**

Lasers bring more possibilities to staking out.

Now, when you encounter tall obstructions near the target point in the field that block satellite signals, you will no longer be helpless.

Please just enable laser and continue the work.

Additionally, when it is inconvenient to carry instruments to the target point, you can also choose to stake out by laser from a distance of several meters away





#### **Simplify Your Workflow with CAD**

INNO5 can integrate the content of CAD drawings with real-world scenes, helping you stakeout targets more quickly.

The front camera assists surveyors in finding a general direction from a distance and understanding the distribution of surrounding features. The bottom camera enables precise stakeout as you approach the target.

With dual camera's help, your stakeout will be easier and more intuitive.



