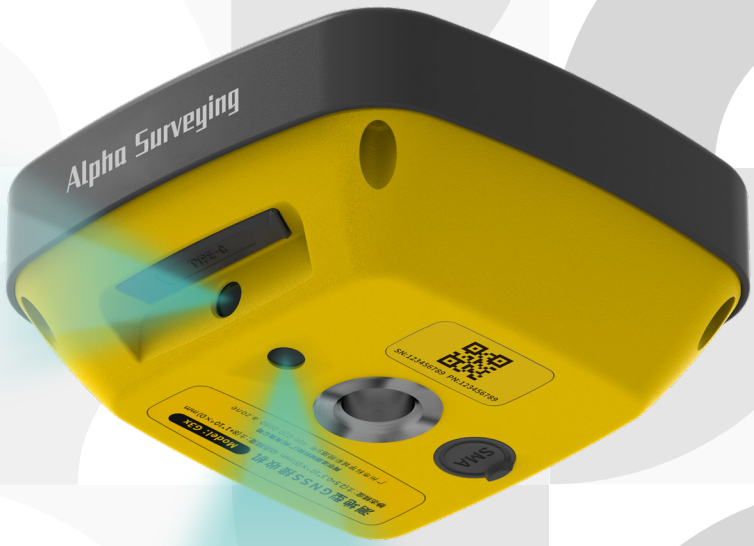
阿尔法测绘

Alpha G3x

阿尔法 G3x 双摄视觉RTK

远端+近端+双AR放样 | 数传+LoRa双模电台 | 北斗+伽利略双星站差分



ISO9001

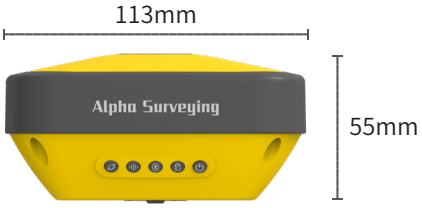
A.zone

G3x 双摄视觉RTK

G3x视觉RTK，具有小巧的体积和全面的功能，AR双摄，双模电台，为全球测绘工程师带来前所未有的便利，欢迎体验并提出更多建议。

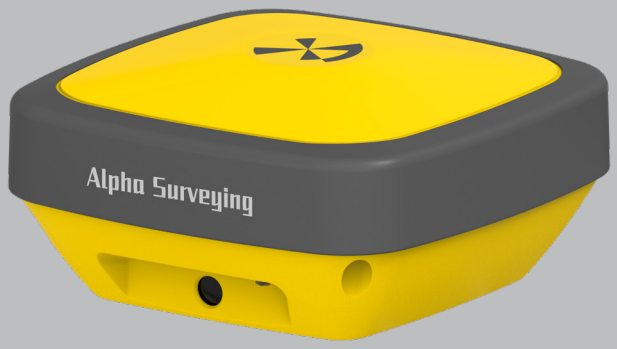
G3x Visual RTK

G3x Visual RTK, With a compact size and comprehensive functions, it is equipped with dual cameras for AR stakeout, and a dual-mode radio. It brings unprecedented convenience to surveying and mapping engineers worldwide. We welcome you to experience it and provide more suggestions.



480g

- Linux
- 无感惯导 Calibration-free IMU
- WebUI
- 无人机基站 Drone base station
- 星站差分 PPP

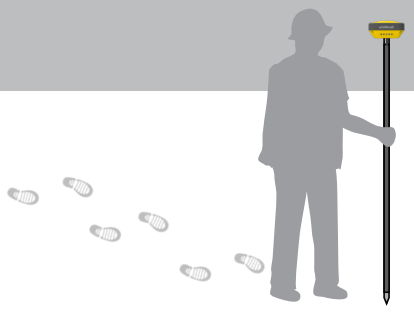


无感惯导

无需初始化，走几步即进入惯导模式；60°倾角2cm精度；支持90°水平点测量。

Calibration-free IMU

No initialization required; it enters inertial navigation mode after a few steps. It features a 60° tilt angle with 2cm accuracy and supports 90° horizontal point measurement.

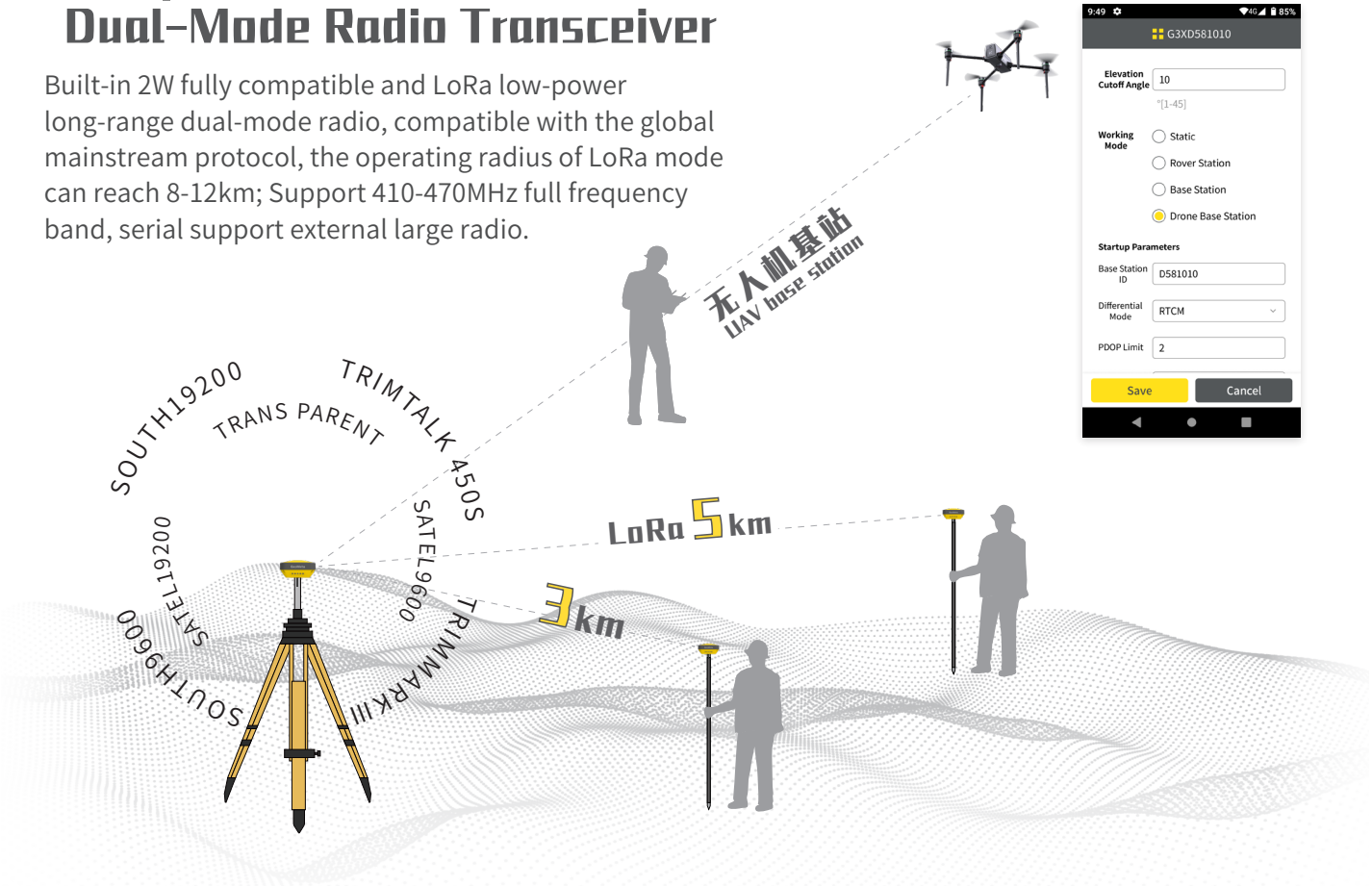


数传+LoRa双模电台

内置2W全兼容及LoRa低功耗长测程双模电台，兼容全球主流协议，LoRa模式下作业半径可达8-12km；支持410-470MHz全频段，串口支持外置大电台。

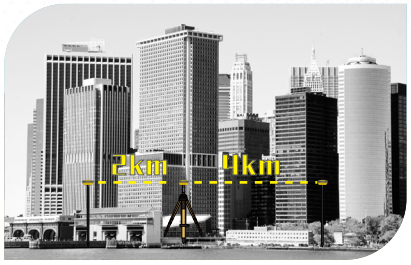
Compatible+LoRa Dual-Mode Radio Transceiver

Built-in 2W fully compatible and LoRa low-power long-range dual-mode radio, compatible with the global mainstream protocol, the operating radius of LoRa mode can reach 8-12km; Support 410-470MHz full frequency band, serial support external large radio.



数传/LoRa电台经实际测试的距离，供参考

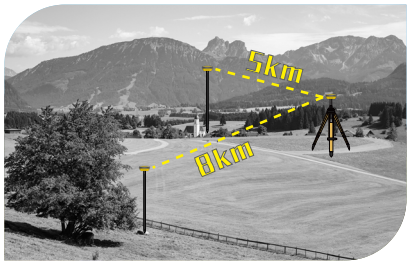
For your reference:
Actual range test of the compatible/ LoRa Radio



繁华城市(Urban city) 2km/4km



乡镇(Villages and towns) 3km/5km



开阔户外(Open outdoors) 5km/8km



海边(Shore) 7km/12km

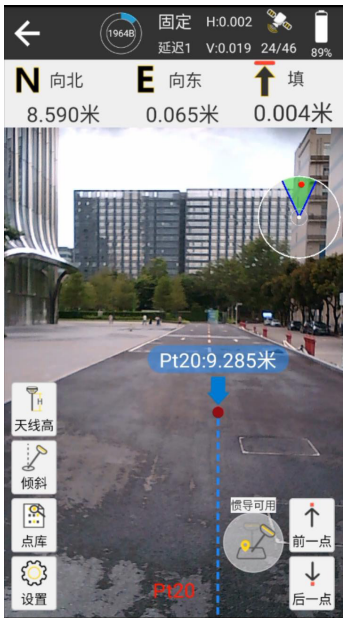
双AR放样

沉浸式实景放样，双AR放样引导，由远及近，5m左右（距离可调节）切换到近景AR。户外强光下360°实时清晰显示，设计数据和现实影像结合，让放样所见即所得。影像级镜头，光学畸变小，结合专业算法，实现实景找点1cm精度。

Dual AR Stakeout

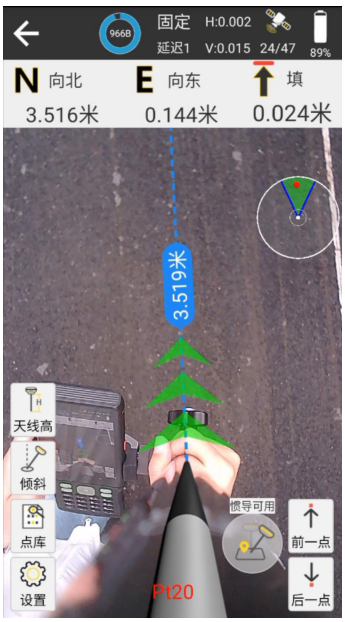
Immersive real-scene staking-Out with Dual AR Stakeout Guidance: It automatically switches from far-end AR to near-end AR, when the distance reaches approximately 5 meters (adjustable distance). It enables 360° real-time clear display even under strong outdoor light, combining design data with real-world images to achieve "what you see is what you get" for staking-out. Equipped with image-grade lenses featuring minimal optical distortion, it integrates professional algorithms to achieve 1cm accuracy for real-scene point staking-out.

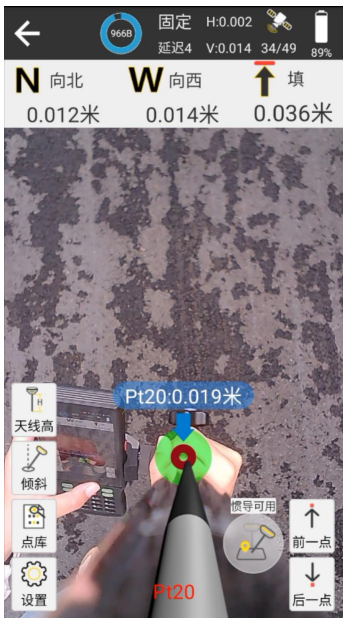




远端AR放样引导
Far-end AR-Guided Staking-out



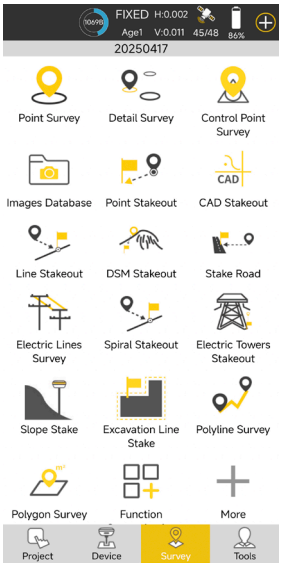


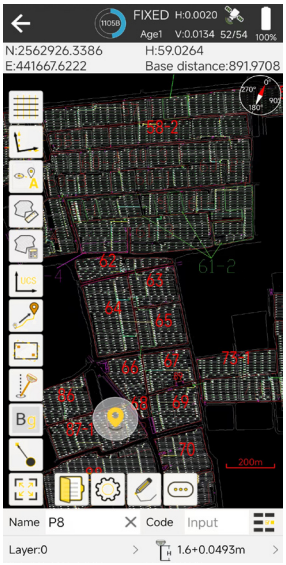


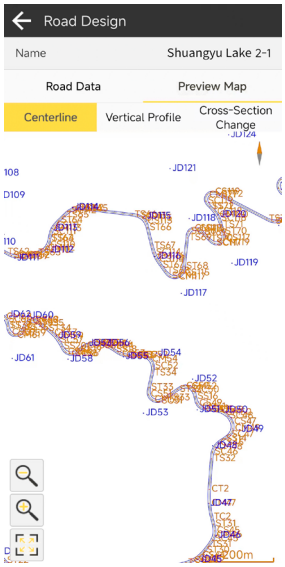
近端AR放样引导
Near-end AR-Guided Staking-out

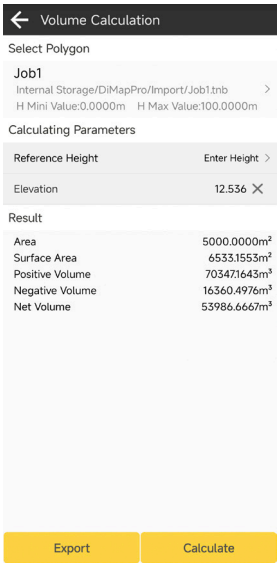
专业测量软件地脉Pro

更强的CAD引擎和性能，流畅打开运行100M以上文件，支持加载更多图层，具备完善绘图功能；支持多种文字编码格式。支持高德、OpenStreetMap、WMS等地图配置、地图校准；支持文件分享。更丰富的测量程序，包括点测量、碎部测量、控制点测量、点放样、CAD测图、道路设计放样、电力勘测、场地高程控制、线测量、面测量、曲线放样、塔基放样、光伏放样、土方测量等。









Professional Field Software DiMap Pro

Stronger CAD engine and performance, smoothly run and view files of more than 100 Mb, support to load more layers, with perfect drawing function; Support a variety of text encoding formats. Support Amap, OpenStreetMap, WMS and other map configuration, map calibration; Support file sharing. More rich measurement programs, including point measurement, detail measurement, control point measurement, point setting, CAD mapping, road design setting, power survey, site elevation control, line measurement, surface measurement, curve setting, base setting, photovoltaic setting, earthwork measurement, etc.



B3 工业手簿	B3 Controller
8核2.0GHz	8 cores 2.0GHz
Android 11	Android 11
4GB RAM+64GB ROM	4GB RAM+64GB ROM
5.5寸屏/720*1440	5.5-inch /720*1440
IP68防尘防水	IP68 protection
1300万像素摄像头	13megapixel camera
电池9000mAh	9000mAh battery
2A快速充电	2A Quick charge
全网通4G	4G
400g	400g

配置清单





G3x接收机	×1
电台天线	×1
适配器	×1
接收机数据线	×1
工业手簿	×1
手簿数据线	×1
对中杆	×1
托架	×1
保修卡说明书	×1
硬塑箱	×1

Alpha G3x 技术参数

GNSS	通道数	1408
	跟踪特性	GPS: L1C/A, L1C, L2C, L2P, L5
		BDS: B1I, B2I, B3I, B1C, B2a, B2b
		GLONASS: G1, G2, G3
		Galileo: E1, E5a, E5b, E6
		QZSS: L1C/A, L1C, L2C, L5
		SBAS: L1
		NAVIC: L5
	静态精度	水平：±(2.5+0.5×10^{-6}D)mm
		垂直：±(5+0.5×10^{-6}D)mm
	RTK精度	水平：±(8+1×10^{-6}D)mm
		垂直：±(15+1×10^{-6}D)mm
惯导融合	补偿精度	±(8+0.3TILT)mm
	*补偿角度	0~60°
	更新率	200Hz
系统配置	操作系统	Linux
	内存	32G
	数据记录格式	DAT、Rinex
	WiFi	802.11a/b/g/n/ac
	蓝牙	BT 5.0向下兼容
电台	功率	2w
	频率	410-470MHz
	全球通协议	TRIMTALK 450S、TRIMMARKIII、SOUTH9600、SOUTH19200、SATEL9600、SATEL19200、TRANS PARENT、LoRa
	作业模式	双模收发一体
电气指标	输入电压	9-20V PD协议
	续航时间	电池容量25.9Wh、12h (移动站模式)、4h (基站模式)
接口/指示灯	SMA	电台UHF天线
	Type-C接口	用于充电、数据传输、外置串口输出
	指示灯	1个卫星灯，1个数据链灯，1个蓝牙灯，1个电源灯，电量指示
物理指标	尺寸	113*113*55mm
	重量	480g
环境性能	工作温度	-30°C ～ +70°C
	存储温度	-40°C ～ +80°C
	防水防尘	IP67
	跌落	常温抗1.8米随杆跌落（硬质地面）
	湿度	抗100%冷凝

*以上技术参数以实际产品为准，本公司保留解释权及更改产品设计的权利。

阿尔法测绘科技(广州)有限公司

广州市科丰路33号18栋405

400-020-0080

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合作伙伴信息