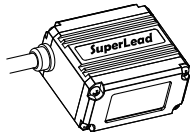


SuperLead®

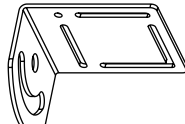
苏州斯普锐智能系统有限公司
 全国服务热线: 400-850-8151转3 工业咨询
 官网: www.superlead.com
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 地址: 中国-江苏省苏州市工业园区东富路2号 东景工业坊57栋
 斯普锐(深圳)智能识别有限公司
 深圳市龙华区大浪街道潜龙曼海宁广场16E
 E-mail: Stan@Superlead.com

X23 快速手册 Quick Start

① 配件清单 Parts List



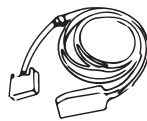
主机*1
main engine*1



钣金固定件*1 固定螺丝*2
mounting bracket*1 screw*2

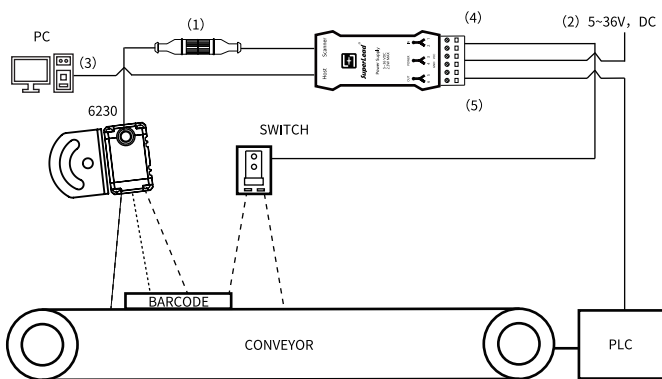


快速手册*1
Quick Start*1



线材*1
Cable*1

② 连接系统 Connect to system



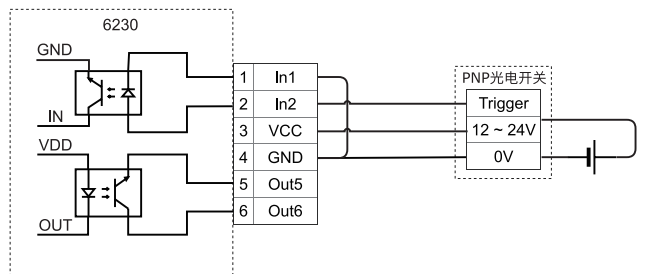
首次使用, 请按上图安装连接阅读器,

- (1) 连接阅读器与线材的12Pin连接器。
- (2) 连接5~36V直流外部供电, 如果使用USB通讯线材可以不连接外部供电。
- (3) 将通讯口连接至PC或数据采集终端, 支持RS232, USB, 以太网这3种通讯方式。
- (4) 如果使用“触发模式”, 需要连接外部传感器/PLC(见接线图③④⑤)至Pin脚In, 或者通过串口指令控制(见常用指令⑨)。
- (5) 如果需要码器输出读码反馈信号或者控制信号, 连接Pin脚Out至外部设备(见接线图⑥)。

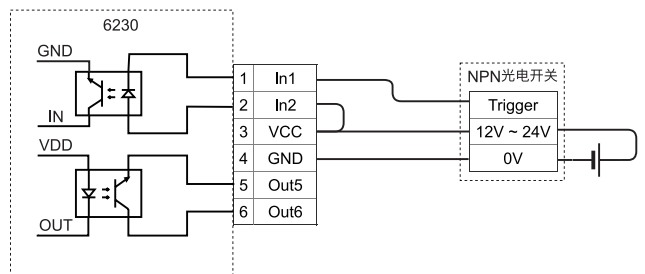
First time to use, please follow the instruction connect scanner to your system,

- (1) Connect Scanner and cable by 12Pin connector.
- (2) Connect to 5~36V DC external power. You could use USB cable without external power.
- (3) Connect communicate port to PC or data collection device, RS232, USB, and Ethernet communication is supported.
- (4) If use "Trigger Mode", you should connect "In" Pin to a external switch or PLC(see figure ③④⑤), serial command(see table ⑨) is also available to trigger scanner.
- (5) If need scanner output good read signal or other control signal, you should connect "Out" Pin to external device(see figure ⑥) .

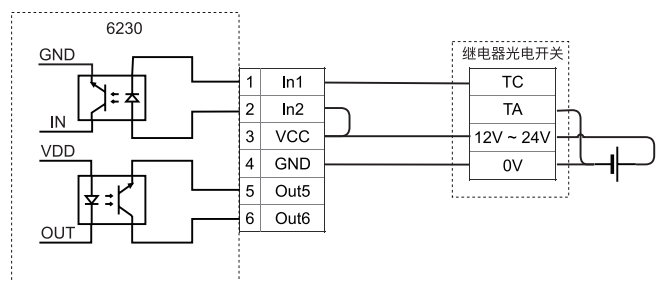
③ PNP光电开关输入 Input Connection of PNP Photoelectric Switch



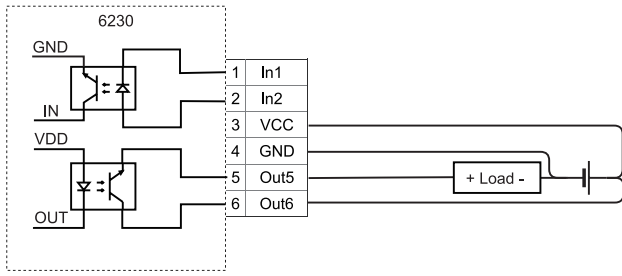
④ NPN光电开关输入 Input Connection of NPN Photoelectric Switch



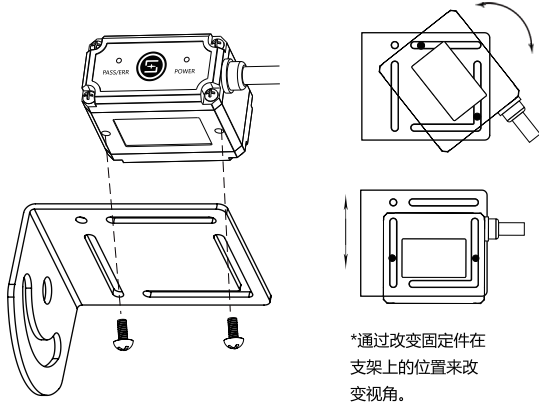
⑤ 继电器光电开关输入 Input Connection of Relay Photoelectric Switch



⑥ 输出接线 Output Connction



⑦ 支架安装示意图 Bracket Assemble Chart



*通过改变固定件在支架上的位置来改变视角。

*Change the position of bracket by screw to change view angle.

⑧ PC端配置工具 PC Tool

SuperCofing: 读码器配置和调试工具, 请从官网www.superlead.com 下载, 或者联系经销商获得。

SuperCofing: Scanner configuration and tuning tool, please download it from www.superlead.com, or get it from distributor.

⑨ 常用指令 Commands

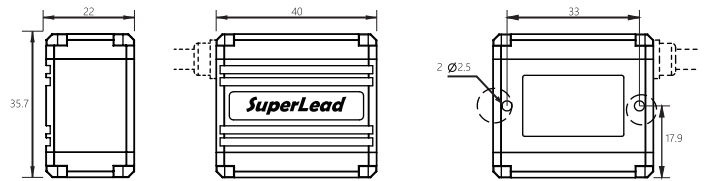
功能 Function	指令 Command (Hex)
触发扫码 Trigger	02 F4 03
关闭扫码 Release Trigger	02 F5 03
恢复默认设置 Default	02 F0 03 30 44 30 31 30 30 2E
查询固件版本号 Query Version	02 F0 03 30 44 31 33 30 32 3F 2E

⑩ 读码景深 DOF

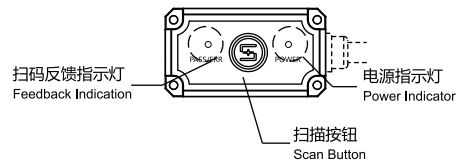
型号	Code128 3.28mil		Code128 4.93mil		Code128 8.22mil		Code128 9.86mil	
	近端	远端	近端	远端	近端	远端	近端	远端
6230-RH	5.8cm	11.5cm	5cm	13.5cm	<=3.7cm	16.6cm	<=4.7cm	17.6cm
6230-RE	9.7cm	11.9cm	8.3cm	17.9cm	5.7cm	29.8cm	4.6cm	33.5cm
6230-RS	—	—	4.4cm	9.1cm	1.5cm	15.5cm	<=2.0cm	19.1cm

型号	DM ECC2000 18 x 18 Size: 2.3x2.3mm		DM ECC200 18 x 18 Size: 3.0x3.0mm		DM ECC200 18 x 18 Size: 5.3x5.3mm		DM ECC200 18 x 18 Size: 8.3x8.3mm	
	近端	远端	近端	远端	近端	远端	近端	远端
6230-RX	2.5cm	4.3cm	2.5cm	4.9cm	2.5cm	5.7cm	—	—
6230-RH	6.5cm	8.1cm	5.6cm	11.8cm	4.5cm	17cm	3.7cm	19.2cm
6230-RE	—	—	8.5cm	15.1cm	6.0cm	28.1cm	5.1cm	35cm
6230-RS	—	—	4.2cm	9.3cm	2.2cm	17cm	1.8cm	25.3cm

⑪ 三视图及尺寸* Three-view Drawing & Size



定位孔
Location Hole



*单位: mm
Unit: mm

⑫ 参数表 Parameter List

性能 / Performance	
图像传感器 / Image Sensor	全局快门 / Global shutter, 640x480, 60FPS
镜头视场角 / FOV	N/S: 40°, X/H/E/L: 22°
光源 / Illumination	高亮红色光源, 高亮蓝色光源, 高亮白色光源 / Highlight Red/Blue/White Illumination
支持的一维码制 / 1D Barcode	Code128, Code93, Code 39, Interleaved 2 of 5, Industrial 2 of 5, EANUPC
支持的二维码制 / 2D Barcode	QR, DataMatrix, PDF417, Aztec
区域解码 / ROI Decoding	Support 8 ROI
接口 / Interface	
通讯 / Communication	RS232, USB2.0, 以太网 / Ethernet (TCP/DUP/Modbus)
外部输入 / External Input	一路光电隔离输入, 可接NPN、PNP、继电器 / 1 Photoelectric isolation input, NPN, PNP, Relay interfaces supported
外部输出 / External Output	一路光电隔离输出 / 1 Photoelectric isolation output
供电 / Voltage	5-36 VDC (USB support)
功耗 / Power Consumption	2.3W max
可靠性 / Reliability	
温度范围 / Temperature Range	工作温度(Operating Temperature): 0°C~50°C, 存储温度(Storage Temperature): -20°C~70°C
ESD防护 / ESD Protection	接触放电(Contact Discharge): 15KV, 耦合放电(Inductively Coupled Discharge): 20KV+
外壳防护 / Shell Protection	IP65
环境亮度 / Ambient Light Immunity	0-100,000Lux
抗震性 / Shock Specifications	1.2米水泥地面, 自由落体, 6面x5次=30次 / Designed to withstand 1.2m drops. Free fall test: 6 sides *5times=30times
物理特性 / Physical Characteristics	
重量 / Weight	92g
外壳材质 / Shell Material	锌合金 / Zinc Alloy
Performance may be impacted by bar code quality and environment conditions.	



⑬ 测试码 Test Code

DataMatrix ECC 200
20x20, Size: 5.1mm



DM-ECC200-10mil-square

DataMatrix ECC 200
16x48, Size: 12.2mm*4.1mm



DM-ECC200-10mil-rectangle

QR Code



(39 characters)

PDF417



(38 characters)

Code 128 5mil(0.148mm)



C128_5mil

Code 39 5mil(0.148mm)



C39.5MIL

EAN - 8



U.P.C.- A



Interleaved 2 of 5



*1 mil = 1/1000 inch ≈ 0.0254mm