



Description	Unit	Specification
<b>Streetlight Remote Controller SCD-001:</b>		
<b>Remote Control Unit</b>		
Country of Origin		Cambodia
Manufacturer's Name		VP.Start Technology
Model		SCD-001
Remote Controller for NiteLite		Remote Controller via PC for Streetlight Power Station and can be configured to NiteLite.
Operation Temperature	°C	0 to 65
Operating Humidity Range	%	30 to 95
<b>Power Supply:</b>		
AC Supply Voltage Range	Vac	190-240
Backup Battery Voltage	Vdc	3.7
Backup Battery Capacity	Ah	900mAh (x1)
<b>Communication Interface:</b>		
USB Port	Yes/No	Yes
Serial RS485 (Modbus RTU)	Yes/No	Yes
GSM/GPRS Communication	Yes/No	Yes
GPIO Digital Input (1Ch)	Yes/No	Yes
<b>Front Panel Indication:</b>		
System Running		- Blinking RED color = System OK - Green color ON = Meter connection fail
AC Power Present		- Red color = Source Supply ON - Green color = Battery Supply
System Network		- Red color = Internet connection fail - Flashing green color = Internet connection OK
<b>PC Software Configuration Tools:</b>		
Mobile Application		Online Data Monitoring
Handheld Mobile Application		Local Configuration & Control (Android App)



**Control Functions:**

Instantly Control Station Power Contactor (ON/OFF)

Support Contactor &lt;63Amp, 3Ph

**Remote Monitoring Functions****Data Monitoring:**

Station Power Source Status (AC Supply ON/OFF)

Yes/No

Yes

Station Instant Data Retrieve (Current, Power, Voltage)

Yes/No

Yes

Station Operation Status (ON/OFF)

Yes/No

Yes

Door Status (OPEN/CLOSE)

Yes/No

Yes

Backup Battery Voltage, GSM Signal, Datetime

Yes/No

Yes

**Analysis Tools:**

Streetlight Power Raise Up Analysis

Yes/No

Yes

Streetlight Power Fall Down Analysis

Yes/No

Yes

Daily Station Power Report

Yes/No

Yes

Monthly Station Peak Power Report

Yes/No

Yes

**System Setting:**

Station Name

Yes/No

Yes

Station Power (ON/OFF) Schedule

Yes/No

Yes

Station Power Fall Down Notification (ON/OFF)

Yes/No

Yes

Station Power Fall Down Notification Value Setting

Watt

50 - 1000

Station Power Riase Up Notification (ON/OFF)

Yes/No

Yes

Station Power Riase Up Notification Value Setting

Watt

50 - 1000

Station ID, Administration ID

Configure by Adroid App (Handheld)

Data Upload/Refresh

min

15, 30, 60

**System Alarm:**

MCB Trip Alarm

Yes/No

Yes

Station Power Source OFF Alarm

Yes/No

Yes

Station Power Fall Down Notification

Yes/No

Yes

Station Power Riase Up Notification

Yes/No

Yes



Station's Door Opening Notification	Yes/No	Yes
<b>Physical Specification</b>		
Position Mounting		The (SCD-001) solution is installed on Pole and Ground Base application with support.
Cabinet Dimension	mm	H=631, L=420, W=265
<b>NiteLite (The Streetlight Automation &amp; Management System)</b>		
<b>Remote Control Unit</b>		
Brief Description		The Streetlight Automation & Management System for Configure with SCD-001 Solution.
Country of Origin		Cambodia
Manufacture's Name		VP.Start Technology
Model		NiteLite Software
<b>General Features:</b>		
Software Provided	Yes/No	Yes
Supported Operating System		MS Window 10 or Later
Software Setup and Training	Yes/No	Yes
Software License Installation Tools	Yes/No	Yes
Exportable Data Reporting	Yes/No	Yes
Communication Data Encryption and Decryption	Yes/No	Yes
Communication Support		Internet
Security Login with Username and Password	Yes/No	Yes
Alarm and Notification System	Yes/No	Yes
Data Graphical Plotting	Yes/No	Yes
Software Setting	Yes/No	Yes
Viewing, Sorting, Listing to Data History	Yes/No	Yes
Alarm & Notification Indication System		The system will indicate alarm & notification by blinking, highlight, sound alert and window information pop up.
<b>Monitoring Feature:</b>		
Data Monitoring & Auto Refresh	Yes/No	Yes
Station Power Source Status	Yes/No	Yes
Streetlight Station Data		Current, Power, Voltage



Station Operation Status (ON/OFF)	Yes/No	Yes
Door Status (OPEN/CLOSE)		The Streetlight Cabinet Controller
Backup Battery Voltage, GSM Signal, Datetime	Yes/No	Yes
<b>Map &amp; Devices Grid-View:</b>		
View all Stations on Grid-View & Map	Yes/No	Yes
Alarm/Notification Indication on Grid-View & Map	Yes/No	Yes
Power Data and Streetlight Data Detail on Grid-View	Yes/No	Yes
Double Click on Station to Jump into Station Monitoring Window	Yes/No	Yes
Map Zoom In/Out Support	Yes/No	Yes
<b>Software Management:</b>		
Multi User Support	Yes/No	Yes
User Login by Username and Password	Yes/No	Yes
User Access Level (Admin Level, User Level)	Yes/No	Yes
Add/Remove User	Yes/No	Yes
Streetlight Station Management Setting	Yes/No	Yes
Add/Remove the Remote Controller	Yes/No	Yes
<b>Alarm Notifications:</b>		
MCB-Trip Alarm	Yes/No	Yes
Power Source OFF Alarm	Yes/No	Yes
Station Power Fall Down Notification	Yes/No	Yes
Station Power Rise Up Notification	Yes/No	Yes
Alarm Indication on Map Window	Yes/No	Blinking Station Icon on Map
Alarm Indication on Grid-View Window	Yes/No	Blinking Grid Icon
Alarm Indication on Alarm List Window	Yes/No	Yes
Alarm Pop up Window	Yes/No	System Alarm Popup with Alarm Detail Information
<b>Graphical &amp; Analysis Tools:</b>		
Streetlight Power Rise Up Analysis	Yes/No	Yes
Streetlight Power Fall Down Analysis	Yes/No	Yes
Daily Station Power Report	Yes/No	Yes

Monthly Station Peak Power Report	Yes/No	Yes
<b>Reporting &amp; Event Logs:</b>		
User Operations Event Log	Yes/No	Yes
Alarms Event Log	Yes/No	Yes
Streetlight Online Data History	Yes/No	Yes
Event Log Selectable by Streetlight Station	Yes/No	Yes
Event Log & Report Exportable Tool	Yes/No	Yes
<b>Basic Requirement:</b>		
Software Maintenance	Yes/No	Yes
Software Warranty	Yes/No	Yes
Software Operation Training	Yes/No	Yes
Working Instruction Support	Yes/No	Any
<b>Setting Functions:</b>		
Streetlight Station Name, Location	Yes/No	Yes
Station Power (ON/OFF) Schedule	Yes/No	Yes
Station Power Fall Down Notification (ON/OFF)	Yes/No	Yes
Station Power Fall Down Notification Value Setting	Watt	50 - 1000
Station Power Riase Up Notification (ON/OFF)	Yes/No	Yes
Station Power Riase Up Notification Value Setting	Watt	50 - 1000
Add/Remove User/Adim	Yes/No	Yes
Data Upload/Refresh	min	15, 30, 60

