

Electronic Clock Selection Manual

Multiple time-synchronization options: GPS satellite, Beidou, NTP, 4G and WiFi



File Version：20261109

Smart integration, digital empowerment

1.LED Digital Clock (Indoor)

SUNPN

Single-row: HH:MM Display

Communication: NTP, RS485, 4G, WiFi, Beidou Satellite

SP-LEDSF-30
（Single-sided / Double-sided）



- ✓ Overall Dimension:490*200*35mm(Single-sided)
  490*200*70mm(Double-sided)
- ✓ Digit Tube Size:3-inch
- ✓ Material: Metal Narrow Frame

SP-LEDSF-40
（Single-sided / Double-sided）



- ✓ Overall Dimension:490*200*39mm
  (Single-sided Plastic Version)
  490*200*35mm
  (Single-sided Metal Version)
  490*200*70mm
  (Double-sided Metal Version)
- ✓ Digit Tube Size:4-inch
- ✓ Material:Molded Plastic / Metal Narrow Frame

SP-LEDSF-50
（Single-sided / Double-sided）



- ✓ Overall Dimension:560*230*35mm(Single-sided)
  560*230*75mm(Double-sided)
- ✓ Digit Tube Size:5-inch
- ✓ Material: Metal Narrow Frame

SP-LEDSF-80
（Single-sided / Double-sided）



- ✓ Overall Dimension:760*300*70mm(Single-sided)
  760*300*70mm (Double-sided)
- ✓ Digit Tube Size:8-inch
- ✓ Material: Extruded Profile Frame

1.LED Digital Clock (Indoor)

SUNPN

Single-row: HH:MM:SS Display

Communication: NTP, RS485, 4G, WiFi, Beidou Satellite

SP-DZZHMS5A
(Single-sided / Double-sided)



- ✓ Overall Dimension:560*200*35mm (Single)
  560*200*70mm (Double)
- ✓ Digit Size:5.0-inch Dot-matrix Module
- ✓ Material: Metal Narrow Frame

SP-LEDSZ-30
(Single-sided / Double-sided)



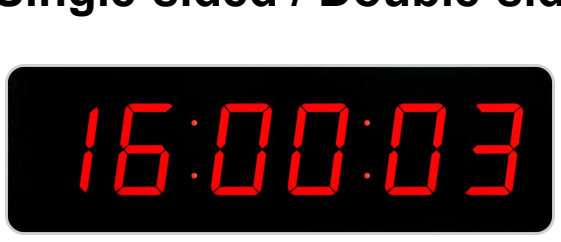
- ✓ Overall Dimension:560*200*35mm (Single)
  560*200*70mm (Double)
- ✓ Digit Tube Size:3-inch
- ✓ Material: Metal Narrow Frame

SP-LEDSF-30KM
(Single-sided)



- ✓ Overall Dimension:490*200*39mm
- ✓ Digit Tube Size:3-inch
- ✓ Material:Molded Plastic Housing

SP-LEDSZ-40
(Single-sided / Double-sided)



- ✓ Overall Dimension:680*210*40mm (Single)
  680*210*75mm (Double)
- ✓ Digit Tube Size:4-inch
- ✓ Material: Metal Narrow Frame

SP-LEDSZ-50
(Single-sided / Double-sided)



- ✓ Overall Dimension:750*230*40mm (Single)
  750*230*75mm (Double)
- ✓ Digit Tube Size:5-inch
- ✓ Material:Metal Narrow Frame

SP-LEDSZ-80
(Single-sided / Double-sided)



- ✓ Overall Dimension:1160*300*70mm (Single)
  1160*300*70mm (Double)
- ✓ Digit Tube Size:8-inch
- ✓ Material:Extruded Profile Housing

1.LED Digital Clock (Indoor)

SUNPN

Double-row: Displays Year, Month, Date, Time & Weekday

SP-YCSZ-1815
(Single-sided)



- ✓ Overall Dimension:360*160*38mm
- ✓ Digit Tube Size:1.8+1.5-inch
- ✓ Material: Acrylic Frame
- ✓ Communication: NTP, RS485, 4G, WiFi

SP-YCSZ-18056
(Single-sided)



- ✓ Overall Dimension:360*150*100mm
- ✓ Digit Tube Size:1.8+0.5-inch
- ✓ Material: tainless Steel Recessed Model
- ✓ Communication: NTP, RS485, 4G, WiFi

SP-YCSZ-2318
(Single-sided)



- ✓ Overall Dimension：450*223*38mm
- ✓ Digit Tube Size：2.3+1.8英寸
- ✓ Material：Acrylic Frame
- ✓ Communication：NTP、RS485、4G、WiFi

SP-YCSZ-3015
(Single-sided)



- ✓ Overall Dimension:490*200*35mm
- ✓ Digit Tube Size:3+1.5-inch
- ✓ Material: Metal Narrow Frame
- ✓ Communication: NTP, RS485, 4G, WiFi

SP-NTPTBSZRLK
(Single-sided)



- ✓ Overall Dimension:490*200*39mm
- ✓ Digit Tube Size:3+1.5-inch
- ✓ Material: Molded Plastic Housing
- ✓ Communication: NTP, RS485, 4G, WiFi, Beidou Satellite

SP-XKDZZ-3015
(Single-sided / Double-sided)



- ✓ Overall Dimension:490*200*35mm(Single)
  490*200*70mm(Double)
- ✓ Digit Tube Size:3+1.5-inch
- ✓ Material: Metal Narrow Frame
- ✓ Communication: NTP, RS485, 4G, WiFi, Beidou Satellite

1.LED Digital Clock (Indoor)

SUNPN

Double-row: Date, Time & Weekday (Temp / Humidity / Lunar Calendar)

SP-RL-WDK3008
(Single-sided)



- ✓ Overall Dimensio:490*200*39mm
- ✓ Digit Tube Size:3+0.8-inch
- ✓ Material: Molded Plastic Housing
- ✓ Communication: NTP, RS485, 4G, WiFi, Beidou Satellite

SP-RL-3056
(Single-sided / Double-sided)



- ✓ Overall Dimension:560*200*35mm(Single)
  560*200*70mm(Double)
- ✓ Digit Tube Size:3+0.5-inch
- ✓ Material: Metal Narrow Frame
- ✓ Communication: NTP, RS485, 4G, WiFi, Beidou Satellite

SP-RL-30375
(Single-sided)



- ✓ Overall Dimension:560*200*35mm
- ✓ Digit Tube Size:3-inch + 3.75-inch Dot-matrix Module
- ✓ Material: Profile / Metal Narrow Frame
- ✓ Communication: NTP, RS485, 4G, WiFi, Beidou Satellite

SP-RL-4018
(Single-sided / Double-sided)



- ✓ Overall Dimension:700*280*70mm(Single)
  700*280*70mm(Double)
- ✓ Digit Tube Size:4+1.8-inch
- ✓ Material: Profile / Metal Narrow Frame
- ✓ Communication: NTP, RS485, 4G, WiFi, Beidou Satellite

SP-RL-5023
(Single-sided / Double-sided)



- ✓ Overall Dimension:850*320*50mm(Single)
  850*320*70mm(Double)
- ✓ Digit Tube Size:5+2.3-inch
- ✓ Material: Profile / Metal Narrow Frame
- ✓ Communication: NTP, RS485, 4G, WiFi, Beidou Satellite

SP-RL-8030
(Single-sided / Double-sided)



- ✓ Overall Dimension:1200*460*70mm(Single)
  1200*460*70mm(Double)
- ✓ Digit Tube Size:8+3-inch
- ✓ Material: Extruded Profile Housing
- ✓ Communication: NTP, RS485, 4G, WiFi, Beidou Satellite

1.LED Digital Clock (Indoor)

SUNPN

Triple-row:Date, Time, Weekday, Temp & Humidity

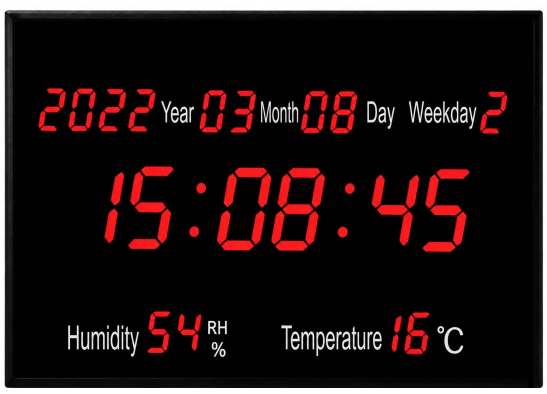
Communication: NTP, RS485, 4G, WiFi, Beidou Satellite

SP-XKWNL-18
(Single-sided)



- ✓ Overall Dimension:600*400*35mm
- ✓ Digit Tube Size:1.8-inch
- ✓ Material: Metal Narrow Frame

SP-WNL-3015
(Single-sided)



- ✓ Overall Dimension:600*400*50mm
- ✓ Digit Tube Size:3+1.5-inch
- ✓ Material: Metal Narrow Frame

SP-WNL-4018
(Single-sided)



- ✓ Overall Dimension:800*400*50mm
- ✓ Digit Tube Size:4+1.8-inch
- ✓ Material:Extruded Profile Housing

SP-WNL-8023
(Single-sided / Double-sided)



- ✓ Overall Dimension:1200*620*70mm(Single)
  1200*620*70mm(Double)
- ✓ Digit Tube Size:8+3-inch
- ✓ Material:Extruded Profile Housing

2. Analog Clock

SUNPN

Round Analog Clock

Communication: NTP, RS485, 4G

SP-ZZS-30 (Single-sided)



- ✓ Overall Dimension:Φ30cm
- ✓ Display Size:13-inch
- ✓ Material: Black Plastic Housing / Silver Metal Housing

SP-ZZS-40 (Single-sided)



- ✓ Overall Dimension:Φ40cm
- ✓ Display Size:16-inch
- ✓ Material: Black Plastic Housing / Silver Metal Housing

SP-ZZS-50 (Single-sided)



- ✓ Overall Dimension:Φ50cm
- ✓ Display Size:20-inch
- ✓ Material: Silver Metal Housing

SP-ZZS-60 (Single-sided)



- ✓ Overall Dimension:Φ60cm
- ✓ Display Size:24-inch
- ✓ Material: Silver Metal Housing

3. LCD Clock

SUNPN

LCD Clock

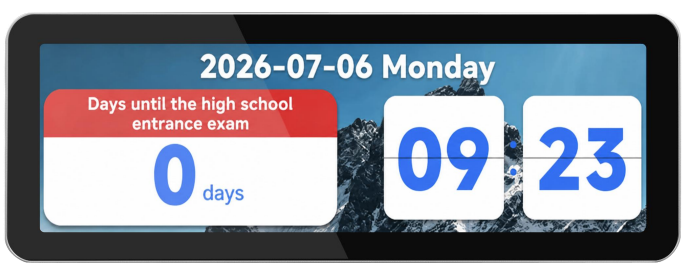
Communication: NTP, RS485, 4G, WiFi

SP-S19
(Single-sided)



- ✓ Overall Dimension:520*180mm(19-inch)
- ✓ Display Area Size:433×135mm
- ✓ Resolution: 2560×800
- ✓ Material:Molded Plastic Housing

SP-S19pro
(Single-sided)



- ✓ Overall Dimension:520*180mm(19-inch)
- ✓ Display Area Size:478.6×136mm
- ✓ Resolution: 1920×540
- ✓ Material:Molded Plastic Housing

SP-F28
(Single-sided / Double-sided)



- ✓ Overall Dimension:737.69*230*43.3mm(Single)
  737.69*230*70mm(Double)
- ✓ Resolution:1920x540
- ✓ Display Size:28.6-inch
- ✓ Material: Standard Profile Housing

SP-F37
(Single-sided / Double-sided)



- ✓ Overall Dimension:953*291*43.3mm(Single)
  953*291*70mm(Double)
- ✓ Resolution:1920x540
- ✓ Display Size:37.6-inch
- ✓ Material: Standard Profile Housing

4. Special-purpose Clock

SUNPN

Explosion-proof Clock

Communication: NTP, RS485

SP-FBDZZ-18056 (Single-sided)



- ✓ Overall Dimension:372*164*64mm
- ✓ Digit Tube Size:1.8+0.56-inch
- ✓ Material: Explosion-proof Outer Frame
- ✓ Explosion-proof Mark: Ex

SP-FBDZZ-18056 (Single-sided)



- ✓ Overall Dimension:450*250*100mm
- ✓ Digit Tube Size:1.8+0.56-inch
- ✓ Material: Explosion-proof Outer Frame
- ✓ Explosion-proof Mark: Ex

SP-FBDZZ-3010A (Single-sided)



- ✓ Overall Dimension:600*350*70mm
- ✓ Digit Tube Size:3+1.0-inch
- ✓ Material: Explosion-proof Outer Frame
- ✓ Explosion-proof Mark: Ex

SP-FBDZZ-3015B (Single-sided)



- ✓ Overall Dimension:600*350*70mm
- ✓ Digit Tube Size:3+1.5-inch
- ✓ Material: Explosion-proof Outer Frame
- ✓ Explosion-proof Mark: Ex

4. Special-purpose Clock

SUNPN

Surgical & Anesthesia Timing Clock

Communication: NTP, RS485, 4G

SP-MZSS-6530
(Single-sided)



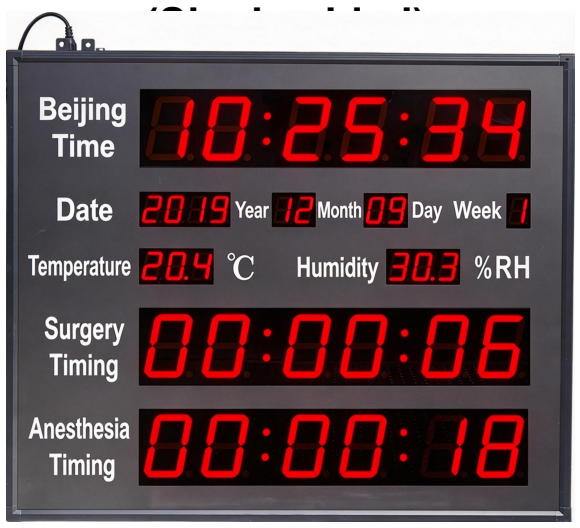
- ✓ Overall Dimension:650*300*50mm
- ✓ Digit Tube Size:1.5-inch
- ✓ Material:Extruded Profile Housing

SP-MZSS-6040
(Single-sided)



- ✓ Overall Dimension:600*400*35mm
- ✓ Digit Tube Size:1.5-inch
- ✓ Material: Metal Narrow Frame

SP-MZSS-9075



- ✓ Overall Dimension:900*750*70mm
- ✓ Digit Tube Size:4+1.8-inch
- ✓ Material:Extruded Profile Housing

Studio Electronic Clock

Communication: NTP, RS485, 4G

SP-TYH04224
(Single-sided)



- ✓ Overall Dimension： 690*430*70mm
- ✓ Digit Tube Size： 3+1.8-inch
- ✓ Material:Extruded Profile Housing

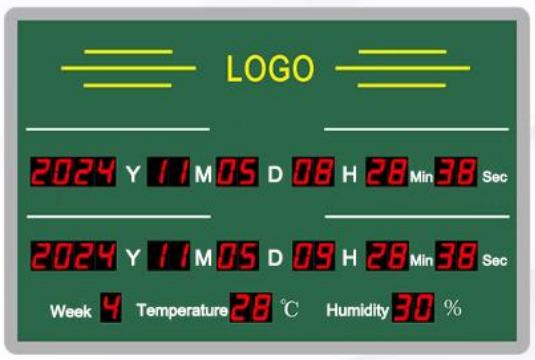
4. Special-purpose Clock

SUNPN

Astronomic Combat Time Display

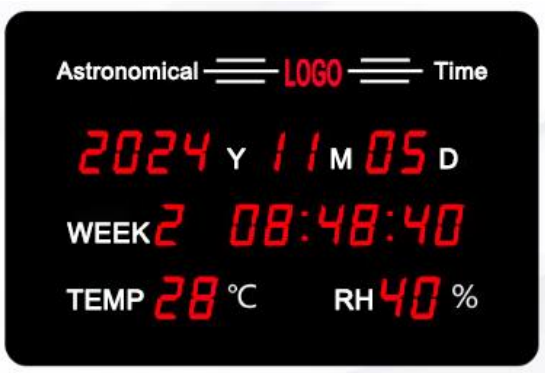
Communication: Beidou Satellite, Stand-alone Mode

P-TWSJ-10(Single-sided)



- ✓ Overall Dimension：600*400mm
- ✓ Digital Tube Size:1-inch
- ✓ Material: Metal Narrow Frame

SP-TWSJ-18(Single-sided)



- ✓ Overall Dimension:600*400mm
- ✓ Digital Tube Size:1.8-inch
- ✓ Material: Metal Narrow Frame

SP-TWSJ-4018(Single-sided)



- ✓ Overall Dimensio:800*500mm
- ✓ Digital Tube Size:4+1.8-inch
- ✓ Material:Extruded Profile Housing

Police-specialized Perpetual Calendar

Communication: Beidou Satellite, Stand-alone Mode

SP-GAWNL-15(Single-sided)



- ✓ Overall Dimension:600*400mm
- ✓ Digital Tube Size:1.5-inch
- ✓ Material: Metal Narrow Frame

4. Special-purpose Clock

SUNPN

World-Zone LED Clock

Communication: Beidou Satellite, WiFi, 4G, NTP

SP-SJSZ-8721
(Single-sided)



- ✓ Overall Dimension:875*213mm
- ✓ Digital Tube Size:：2.3-inch
- ✓ Material:Extruded Profile Housing

SP-SJSZ-11421
(Single-sided)



- ✓ Overall Dimension:1140*213mm
- ✓ Digital Tube Size:2.3-inch
- ✓ Material:Extruded Profile Housing

SP-SJSZ-14021
(Single-sided)



- ✓ Overall Dimension:1405*213mm
- ✓ Digital Tube Size:2.3-inch
- ✓ Material:Extruded Profile Housing

SP-SJSZ-WRW1582
(Single-sided)



- ✓ Overall Dimension:3000*1400*70mm
- ✓ Digital Tube Size:4-inch
- ✓ Material:Extruded Profile Housing

5.Master Clock

SUNPN

NTP Time Server

Communication: Beidou / GPS Satellite

SP-GD26



- ✓ Overall Dimensions:478*135*44mm(with mounting lugs)
- ✓ Model: Basic Version
- ✓ Housing: 1U Rack-mount / Desktop

SP-06B



- ✓ Overall Dimensions:482*180*44mm
- ✓ Model: Popular Version
- ✓ Housing: 1U Rack-mount

SP-GB



- ✓ Overall Dimensions:480*180*44mm
- ✓ Model: Professional Version
- ✓ Housing: 1U Rack-mount

SP-SS7000



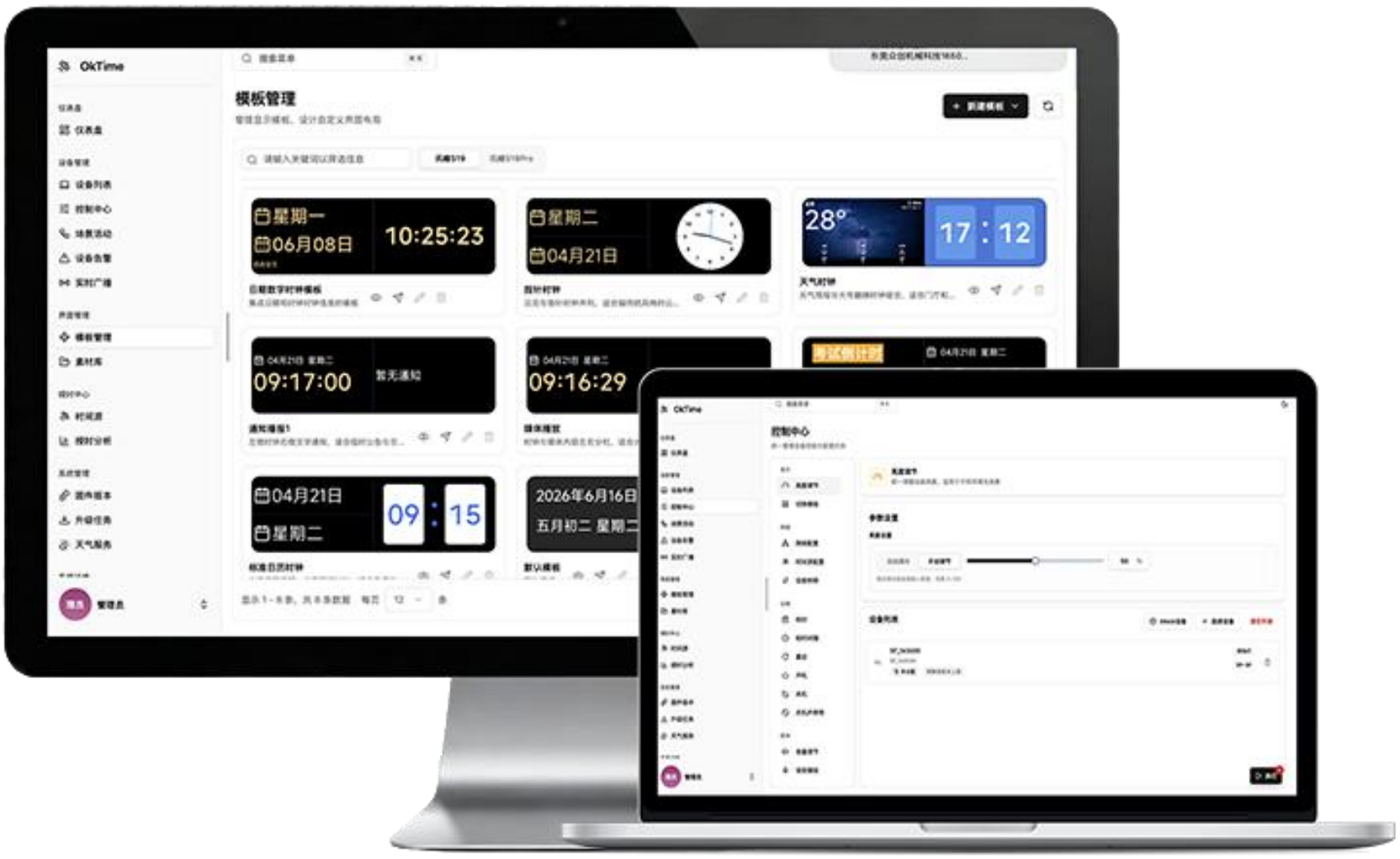
- ✓ Overall Dimensions:482*230*88mm
- ✓ Model: Flagship Version
- ✓ Housing: 2U Rack-mount

6.Clock Management Software Platform

SUNPN

PC-Side

Web-based Management Software



- ✓ Widget System: Supports free combination of widgets including Time, Weather, Lunar Calendar, Countdown, Image, Video and Text, to build LCD clock interfaces for various business scenarios.
- ✓ Scenario- based Clock Applications: Features exam scheduling, exam countdown, school bell scheduling, voice broadcast, text message release and ad- hoc message publishing for practical use-cases.
- ✓ Smart Device Discovery & Auto-Onboarding: Auto-discovery within the same network segment; targeted discovery across network segments. Devices can automatically synchronize configurations from Platform, MQTT, NTP and others.
- ✓ Bulk Network Configuration: Select multiple devices in batch, generate target IP addresses automatically starting from a base IP. Push network configurations and wait for device reconnection & confirmation feedback.
- ✓ QR- code Quick Configuration & Control: Scan the QR- code on LCD clock housing via mobile phone to access quick configuration and control portal.
- ✓ Open Platform: Dual- channel integration via HTTP API + MQTT. The platform exposes capabilities for device control, attribute reporting, status subscription and content delivery over HTTP API and MQTT.

7. Outdoor Clock

SUNPN

Single-row: Hours & Minutes

Communication: GPS / Beidou Satellite
Housing: Iron Cabinet / Aluminum Cabinet

SP-SF-HW08
(Single-sided / Double-sided)



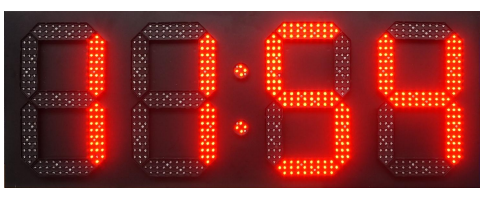
- ✓ Overall Dimensions:600*250*80mm
- ✓ LED Digit Size:8-inch

SP-SF-HW10
(Single-sided / Double-sided)



- ✓ Overall Dimensions:820*310*80mm
- ✓ LED Digit Size:10-inch

SP-SF-HW12
(Single-sided / Double-sided)



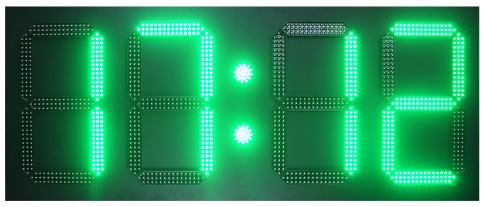
- ✓ Overall Dimensions:960*360*80mm
- ✓ LED Digit Size:12-inch

SP-SF-HW15
(Single-sided / Double-sided)



- ✓ Overall Dimensions:1200*450*80mm
- ✓ LED Digit Size:15-inch

SP-SF-HW20
(Single-sided / Double-sided)



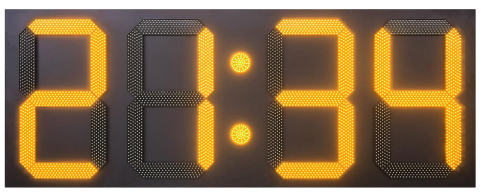
- ✓ Overall Dimensions:1500*600*80mm
- ✓ LED Digit Size:20-inch

SP-SF-HW24
(Single-sided / Double-sided)



- ✓ Overall Dimensions:1850*700*80mm
- ✓ LED Digit Size:24-inch

SP-SF-HW32
(Single-sided / Double-sided)



- ✓ Overall Dimensions:2400*900*80mm
- ✓ LED Digit Size:32-inch

7. Outdoor Clock

SUNPN

Single-row: Hours, Minutes & Seconds

Communication: GPS / Beidou Satellite
Housing: Iron Cabinet / Aluminum Cabinet

SP-SFM-HW08
(Single-sided / Double-sided)



- ✓ Overall Dimensions:1030*280*80mm
- ✓ LED Digit Size:8-inch

SP-SFM-HW10/32
(Single-sided / Double-sided)



- ✓ Overall Dimensions:Custom size & style
- ✓ LED Digit Size:10-32-inch

Dual-row: Year / Month / Date / Week / Hours-Minutes-Seconds

Communication: GPS / Beidou Satellite
Housing: Iron Cabinet / Aluminum Cabinet

SP-RL-HW5023
(Single-sided / Double-sided)



- ✓ Overall Dimensions:960*360*80mm
- ✓ LED Digit Size:5+2.3-inch

SP-RL-HW10/32
(Single-sided / Double-sided)



- ✓ Overall Dimensions:Custom size & style
- ✓ LED Digit Size:10-32-inch



Contact Us

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