NANOV Display Inc.

55” Outdoor Double-Sided PIDS, 2500cd Brightness & 5 Degree Tilted Front Glass Model

Model: NISDM-550L5-225-YYC, Tilted Model

- ✓ Tamper-Proof, Anti-Reflection, Tempered Glass over 55” Screen
- ✓ HVAC – Heater, Ventilation, and Air Circulation System
- ✓ Resolution: 1920 x 1080, 2500cd Sunlight Readable Brightness
- ✓ Commercial, Maintenance Ready Design: Front Opening Doors
- ✓ Compliance: UL 48 Outdoor Signs Certified
- ✓ (Optional): Embedded Processor
- ✓ IoT Driven Sensor Hardware Health Monitoring System – Audio, Temperature, Brightness, Internet Connectivity, Door Sensor

Proprietary Notice

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Screen

Parameter	Specification
Video Orientation	Landscape
Screen Dimensions (W x H)	1210.6mm x 681.4mm; (40.1in. x 22.6in.)
Enclosure Dimensions (W x H x D)	1385.1mm x 865.93mm x 450.22mm; (54.5in. x 34.1in. x 17.7in.)
Resolution	1920 x 1080 pixels
Color	16.7 million colors (8-bit)
Dimming	50-100% automatic dimming
Calibrated Intensity	2500 Cd/m^2
Color Temperature Modes	Warm / Medium / Cool
Refresh Rate	120 Hz
Contrast Ratio	2,000:1 (Typical); 10,000:1 (Dynamic)
Viewing Angle	178 degrees (side/side) 178 degrees (up/down)

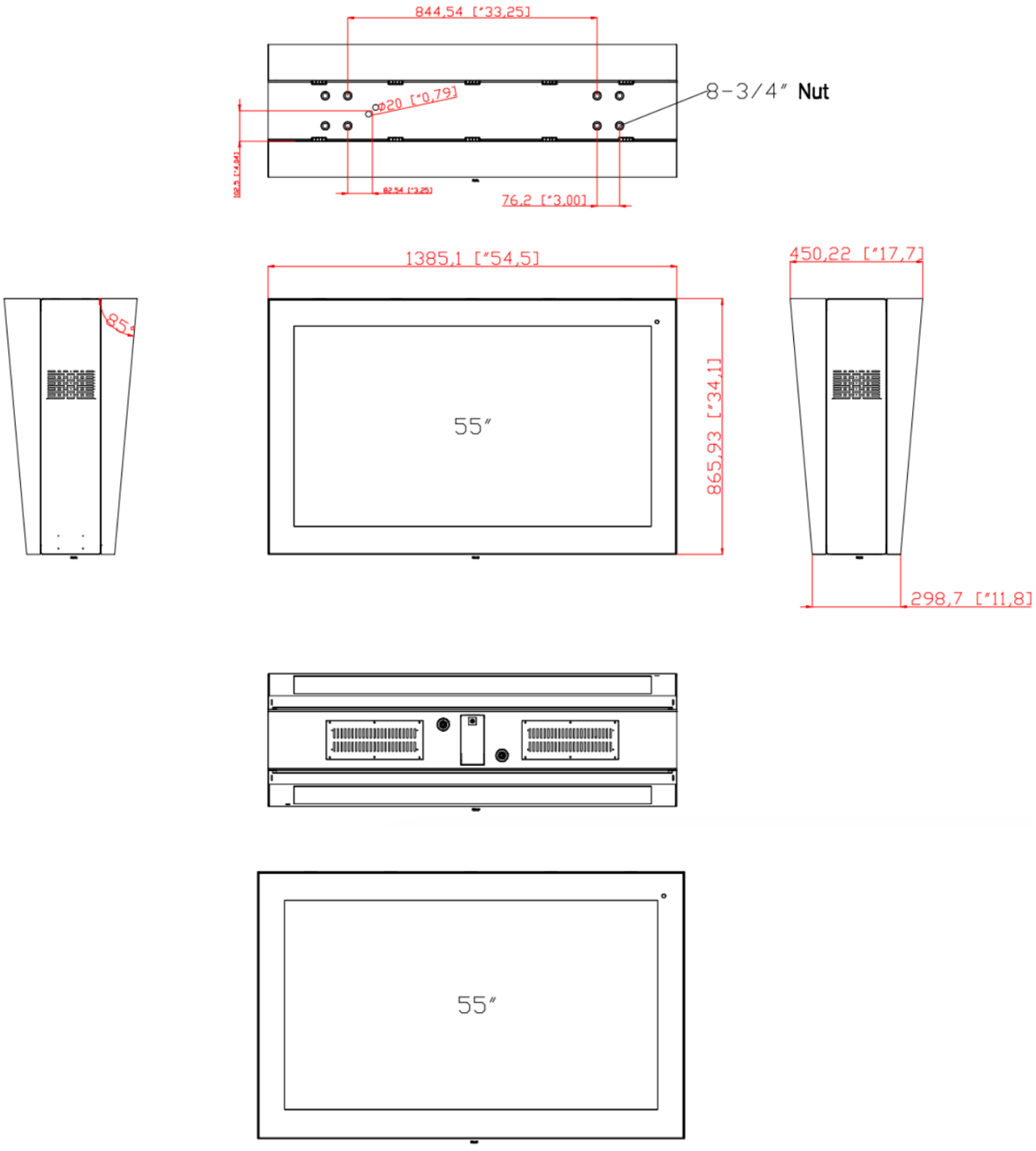
Power, Computer & Electronics

Parameter	Specification	
Power Consumption	800 W (Maximum), 120V	
(Optional): Embedded Computer	CPU	Intel Core i-5 Processor
	RAM	DDR3 8GB
	Storage	126 GB SSD
	OS	Windows 10 IoT Enterprise
Inputs / Outputs	1) HDMI, DVI (720p/1080i/1080p) 2) USB 3) PC input via 15 pin Sub 4) LAN (RJ45, Cat 6)	

System Level Design & Durability

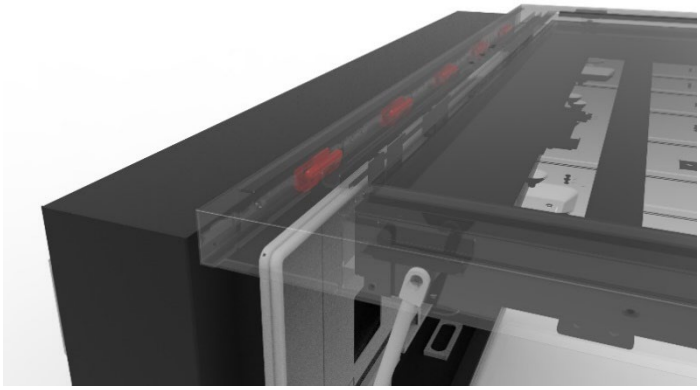
Parameter	Specification
Rated Operating Conditions	Temperature: -30℃ to +50℃ Humidity: 20% to 80%
Heating, Ventilation & Air Circulation (HVAC)	Automated system for heating & cooling with active air inflow & exhaust with vent filters *[patent pending]*
External Housing	Fully sealed, weather-proof enclosure Powder coated surface treatment
Enclosure sealing / weather proofing	Enclosures shall comply with UL 48 including outdoor rain test
Glass	Anti-glare, 1% max haze, anti-vandal, tempered glass
Certification	FCC, UL 48
Warranty	36 Months
Mean Time Between Failure	50,000 hours
Electric Sign Controller Health Monitoring System [Model: NRMCB-300]	Controller interface: - Environmental control via IoT sensors • (2) Temperature sensors • (1) Ambience sensor • (1) Moisture sensor • (1) Pixel moving sensor to detect screen activity • (1) Door sensor for enhanced security - Sequential power booting program • Computer power reset • LCD panel reset • Heater and fans on/off

Physical Dimensions



Maintenance Door Concept

This Nanov Display product is designed with easy maintenance access in mind. You can swing open the enclosure door to access the monitor in no time at all. Next, to access the electronics directly, the screen can pivot upwards thanks to its mounting with heavy-duty pneumatic spring.



Front opening mechanic – Easy maintenance

Nanov Sign Controller

General Description

The Nanov Sign Controller is a critical component of the LCD signs. The controller consists of two boards: The Main board and Power board. The hardware controlling capacity are as follows:

- Brightness sensor- Auto brightness control vs environment sensor
- Temperature sensors- Auto fan speed control vs internal temperature
- Power reset: Modem, Computer, Panel
- Detect when a sign is non-operational via AD board signal
- Detect when a sign is not communicating via modem -auto ping/reset
- Alarm via email or text

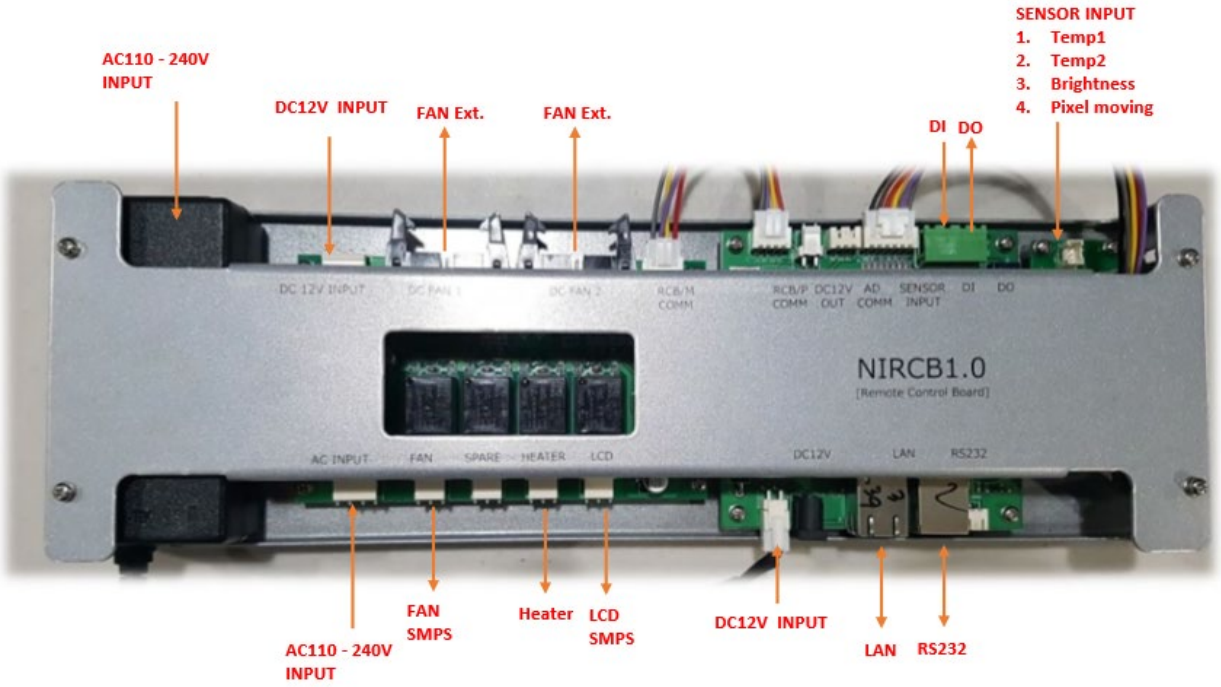
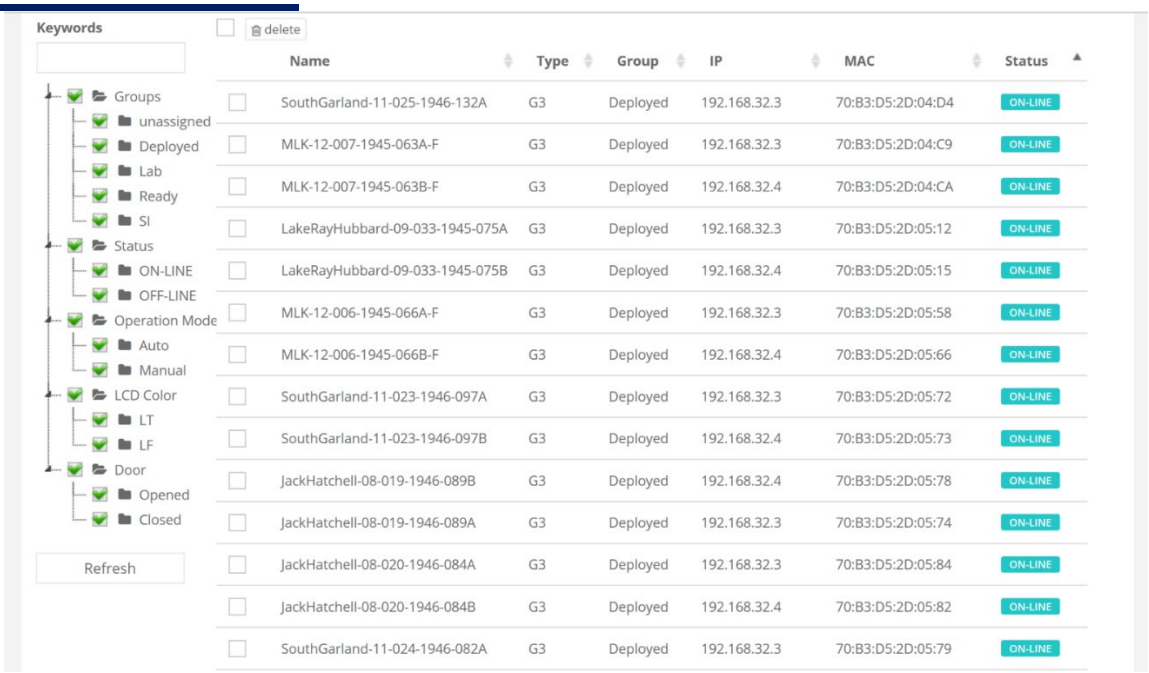
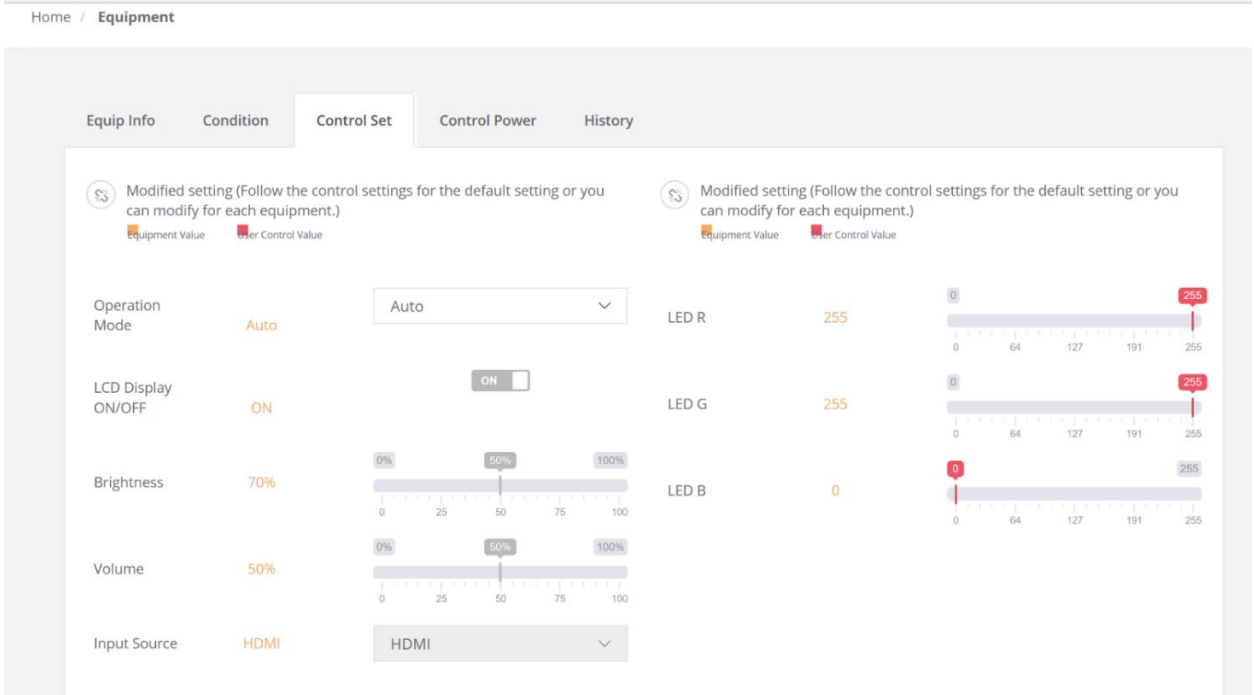


Fig. 1- NIRCB1.0 Nanov Sign Controller

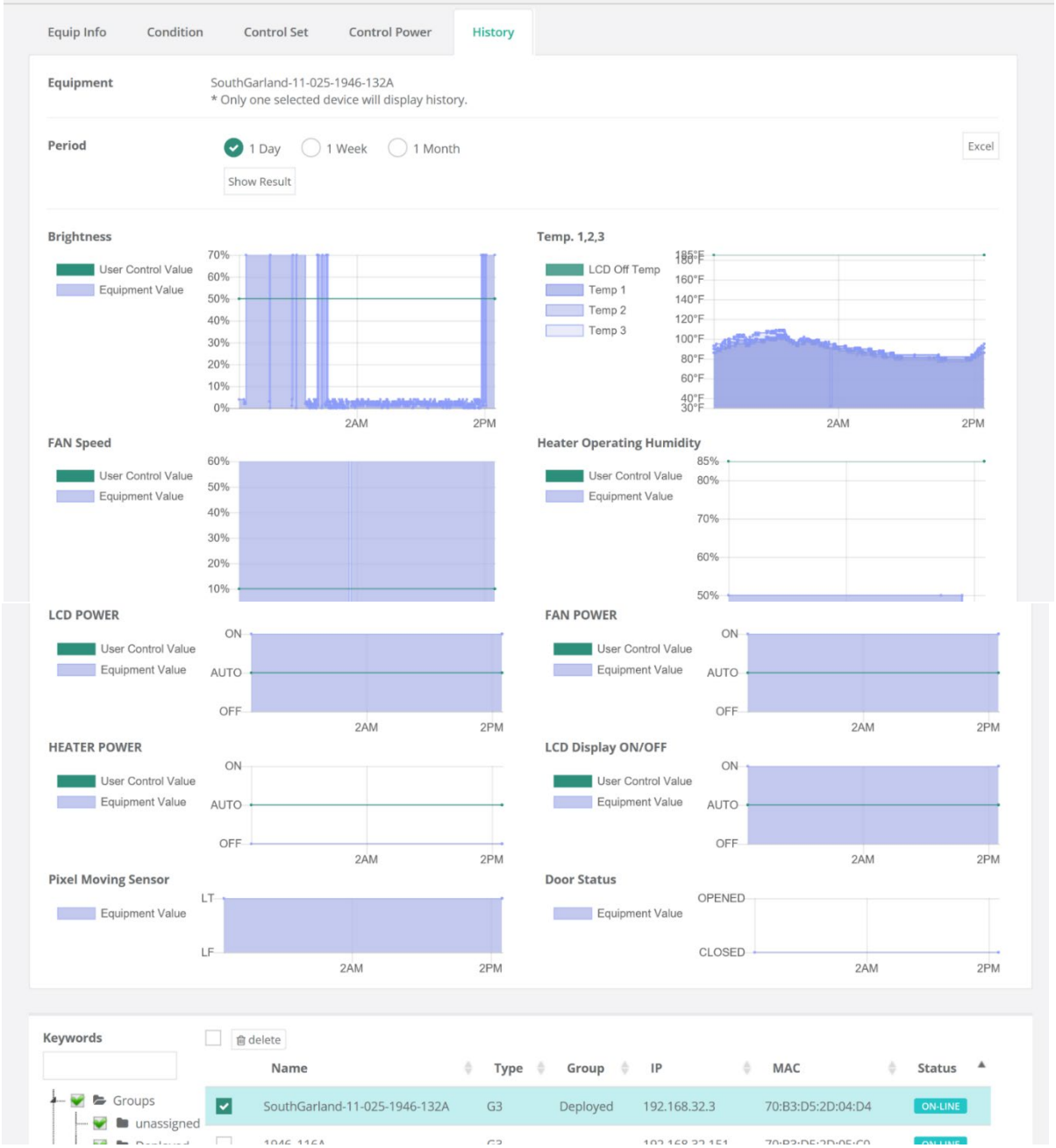
Remote Health Monitoring System Dashboard



LCD Signs Control



Archive History



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