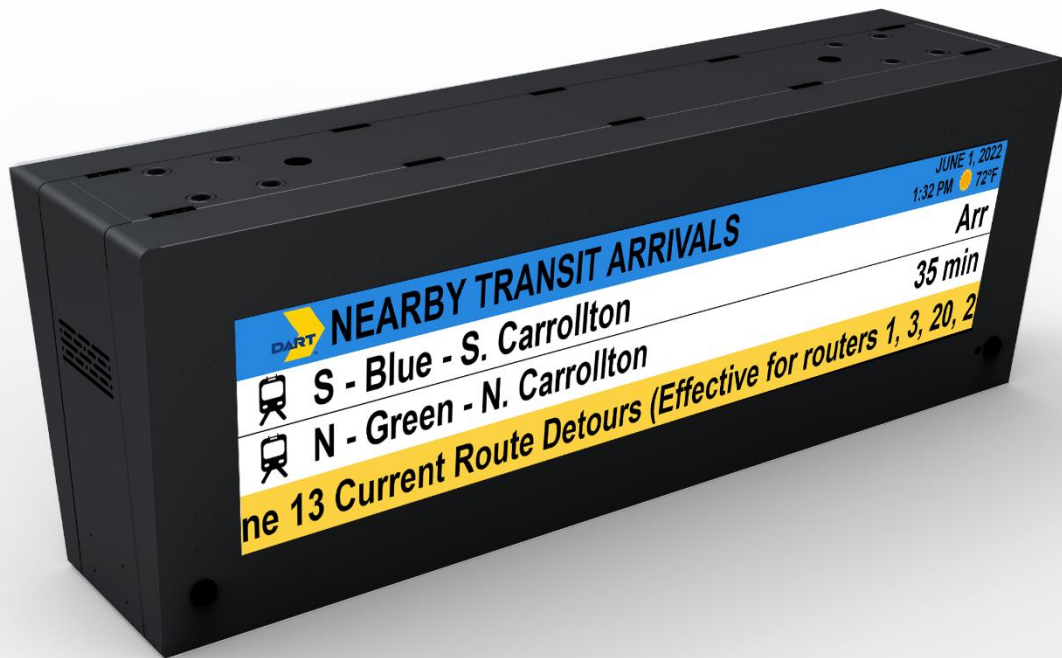




42.8" Real-Time Stretched Outdoor Double-Sided Tilted Public Information Display System (PIDS)



Model: NBADH-428LC-325-STL

- ✓ Tamper-proof tempered glass over 42.8" stretched screen
- ✓ Sunlight readable, HVAC (Heater, Ventilation, Air Circulation)
- ✓ Anti-reflection coating on glass, condensation free
- ✓ UL48 Outdoor Sign compliance: Dust proof, Rain Proof
- ✓ Commercial, maintenance-ready design, built-in IP Camera Mount
- ✓ Powdered steel IP65 enclosure structure
- ✓ Embedded Intel NUC I-5 Processor

Proprietary Notice

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Screen

| Parameter | Specification |
|-------------------------|--|
| Video Orientation | Landscape |
| Screen Dimensions | 1039.6 mm (W) x 259.9 mm (H) (40.9 inches x 10.2 inches) |
| Enclosure Dimensions | 1226 mm (W) x 449.6 mm (H) x 321.2 mm (D) (48.3 inches x 17.7 inches x 12.6 inches) |
| Resolution | 1920 x 480 pixels |
| Color | 1.06 billion colors (10-bit) |
| Dimming | 50-100% automatic dimming |
| Calibrated Intensity | 1500 Cd/m ² |
| Color Temperature Modes | Warm / Medium / Cool |
| Refresh Rate | 120 Hz |
| Contrast Ratio | 4,000:1 (Typical); |
| Viewing Angle | 178 degrees (side/side) 178 degrees (up/down) |

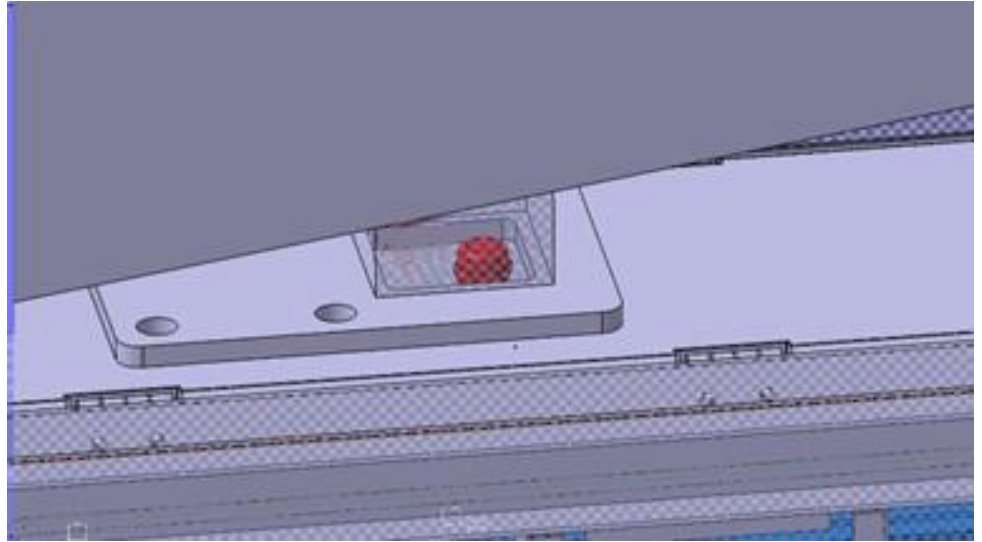
Power, Computer & Electronics

| Parameter | Specification | |
|-------------------------------|---|---------------------------|
| Power Consumption | 220 W | |
| Embedded computer | CPU | Intel NUC I-5 Processor |
| | RAM | 8 GB |
| | Storage | 128 GB |
| | OS | Windows 10 IoT Enterprise |
| Inputs / Outputs | 1) HDMI, DVI (720p/1080i/1080p) 2) Component/Composite 3) USB 2.0 4) PC Input via 15-pin 5) LAN (RJ45, CAT6) 6) Ethernet 7) RS-232C 8) LTE Modem | |
| On Screen Display (OSD) | English | |
| Hardware Maintenance Software | Installed networking module to control hardware | |

System Level Design & Durability

| Parameter | Specification |
|---|--|
| Rated Operating Conditions | Temperature: -20°C to +70°C Humidity: 20% to 80% |
| Heating, Ventilation & Air Circulation (HVAC) | Automated system for heating & cooling with active air inflow & exhaust [<i>patent pending</i>] |
| External Housing | <ul style="list-style-type: none"> Fully sealed, weather-proof IP65 rated enclosure Powder coated surface treatment Available finishing materials: Stainless steel, Aluminum, Architectural glass |
| External Color | Black |
| Glass | Tempered glass, anti-reflection, head reductive film, 1% max haze, anti-vandal |
| Certifications | FCC, UL48, UL879, UL60695, ULE216813, IK10 |
| Warranty | 36 Months |
| Mean Time Between Failure | 50,000 hours |
| Electric Sign Controller Health Monitoring System [Model: NRMCB-300] | <p>Controller interface:</p> <ul style="list-style-type: none"> - Environmental control via IoT sensors <ul style="list-style-type: none"> • (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 <ul style="list-style-type: none"> • Computer power reset • LCD panel reset • Heater and fans on/off |

Concept Drawing



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 the Power board. The hardware controlling capabilities are as follows:

- Brightness & environment sensors (auto brightness control)
- Temperature sensors (measures internal temperature for auto fan speed control)
- Power reset: Modem, Computer, Panel, Fan/Heaters
- Detects when a sign is non-operational via AD board signal
- Detects when a sign is not communicating via modem for autoping/reset
- Alarm via email or text

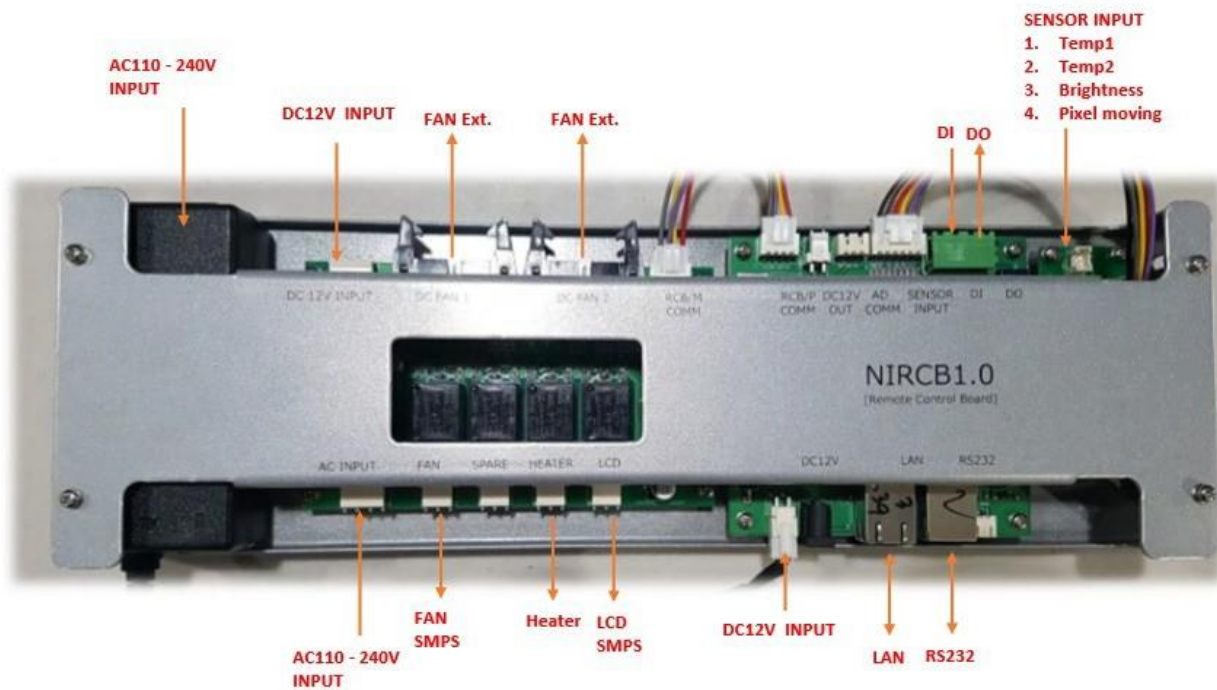


Fig. 1- NRMCB-300 Nanov Sign Controller

Remote Health Monitoring System Dashboard

Keywords

| Name | Type | Group | IP | MAC | Status |
|--|------|----------|--------------|-------------------|---------|
| <input type="checkbox"/> SouthGarland-11-025-1946-132A | G3 | Deployed | 192.168.32.3 | 70:B3:D5:2D:04:D4 | ON-LINE |
| <input type="checkbox"/> MLK-12-007-1945-063A-F | G3 | Deployed | 192.168.32.3 | 70:B3:D5:2D:04:C9 | ON-LINE |
| <input type="checkbox"/> MLK-12-007-1945-063B-F | G3 | Deployed | 192.168.32.4 | 70:B3:D5:2D:04:CA | ON-LINE |
| <input type="checkbox"/> LakeRayHubbard-09-033-1945-075A | G3 | Deployed | 192.168.32.3 | 70:B3:D5:2D:05:12 | ON-LINE |
| <input type="checkbox"/> LakeRayHubbard-09-033-1945-075B | G3 | Deployed | 192.168.32.4 | 70:B3:D5:2D:05:15 | ON-LINE |
| <input type="checkbox"/> MLK-12-006-1945-066A-F | G3 | Deployed | 192.168.32.3 | 70:B3:D5:2D:05:58 | ON-LINE |
| <input type="checkbox"/> MLK-12-006-1945-066B-F | G3 | Deployed | 192.168.32.4 | 70:B3:D5:2D:05:66 | ON-LINE |
| <input type="checkbox"/> SouthGarland-11-023-1946-097A | G3 | Deployed | 192.168.32.3 | 70:B3:D5:2D:05:72 | ON-LINE |
| <input type="checkbox"/> SouthGarland-11-023-1946-097B | G3 | Deployed | 192.168.32.4 | 70:B3:D5:2D:05:73 | ON-LINE |
| <input type="checkbox"/> JackHatchell-08-019-1946-089B | G3 | Deployed | 192.168.32.4 | 70:B3:D5:2D:05:78 | ON-LINE |
| <input type="checkbox"/> JackHatchell-08-019-1946-089A | G3 | Deployed | 192.168.32.3 | 70:B3:D5:2D:05:74 | ON-LINE |
| <input type="checkbox"/> JackHatchell-08-020-1946-084A | G3 | Deployed | 192.168.32.3 | 70:B3:D5:2D:05:84 | ON-LINE |
| <input type="checkbox"/> JackHatchell-08-020-1946-084B | G3 | Deployed | 192.168.32.4 | 70:B3:D5:2D:05:82 | ON-LINE |
| <input type="checkbox"/> SouthGarland-11-024-1946-082A | G3 | Deployed | 192.168.32.3 | 70:B3:D5:2D:05:79 | ON-LINE |

LCD Signs Control

Home / Equipment

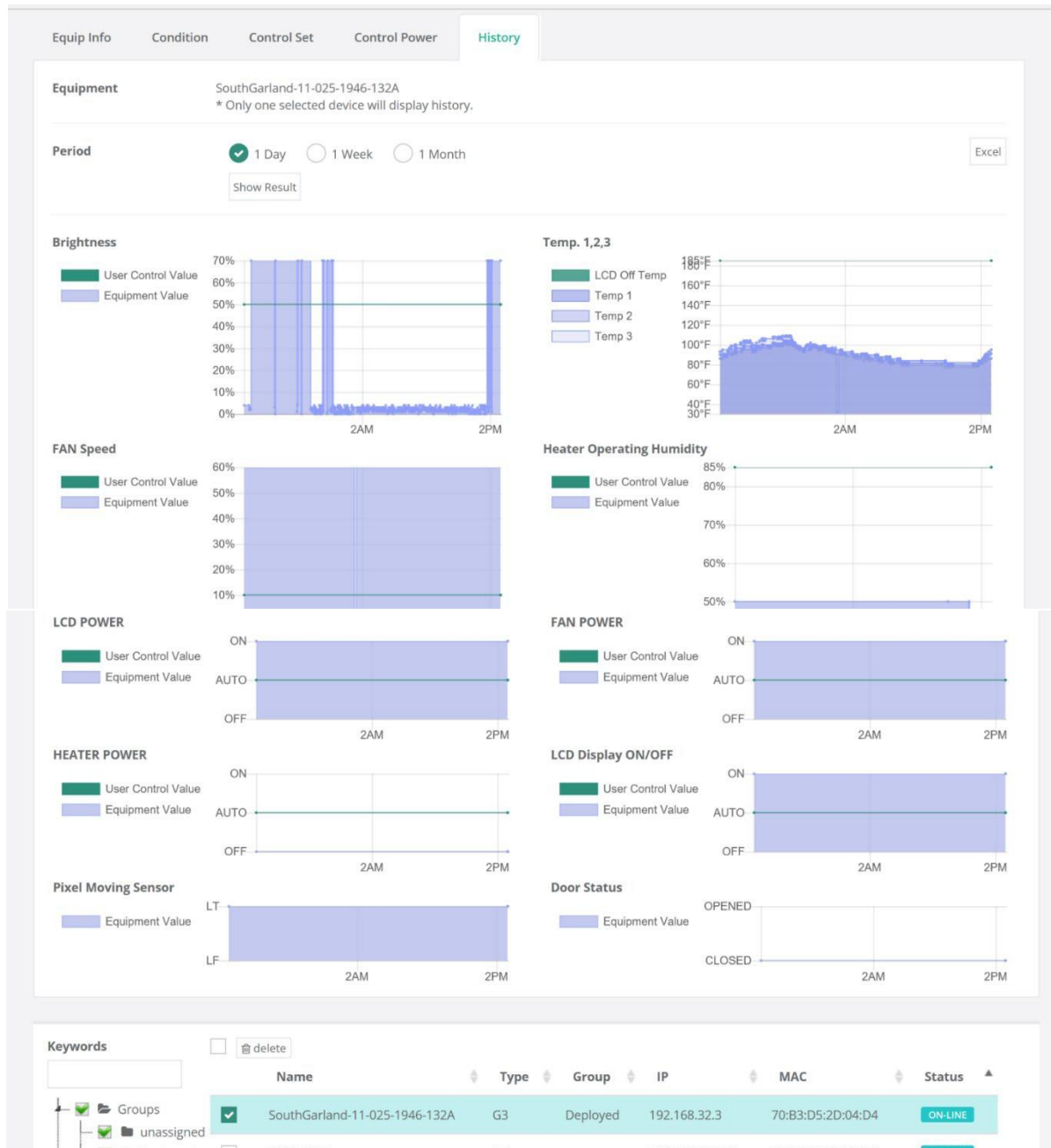
Equip Info Condition **Control Set** Control Power History

Modified setting (Follow the control settings for the default setting or you can modify for each equipment.)

Equipment Value **User Control Value**

| | | | | | |
|--------------------|------|------|-------|-----|--|
| Operation Mode | Auto | Auto | LED R | 255 | |
| LCD Display ON/OFF | ON | ON | LED G | 255 | |
| Brightness | 70% | | LED B | 0 | |
| Volume | 50% | | | | |
| Input Source | HDMI | HDMI | | | |

Archive History



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