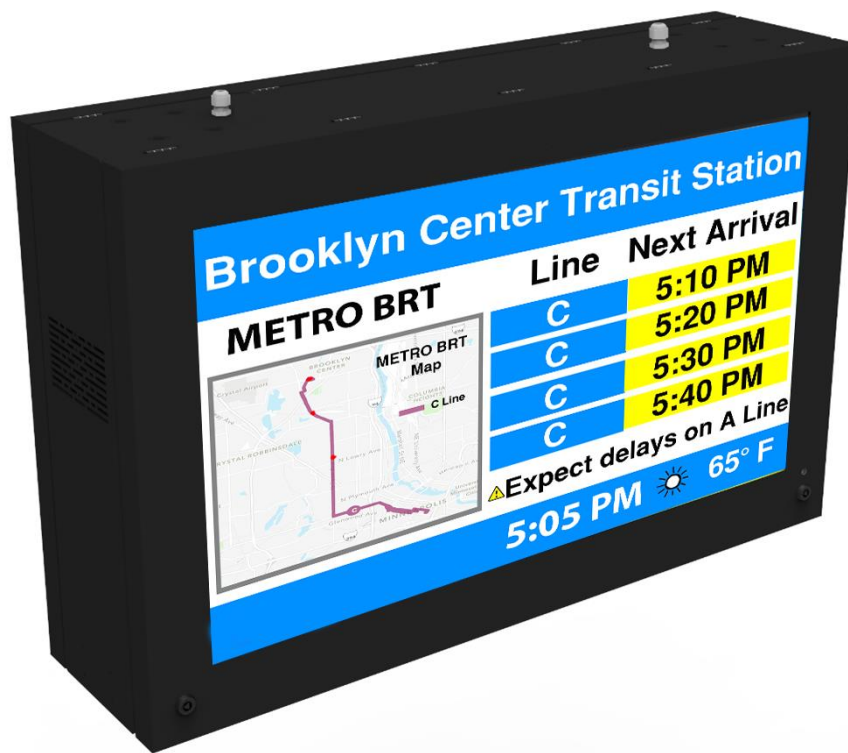




46" Outdoor Double-Sided Transit VMS Overhang HSS Mountable Hole Pattern



Model: NBADM-460LC-325-MSP, Landscape

- ✓ Tamper-proof, anti-reflection, tempered glass over 46" screen
- ✓ Embedded Intel Processor, RAM 8GB, SSD 128GB, Windows 10
- ✓ Sunlight readable, HVAC (Heater, Ventilation, Air-circulation)
- ✓ Commercial, maintenance-ready design, IP65
- ✓ Compliance: UL 48, UL879, UL60695
- ✓ Hardware Health Monitoring Maintenance Module
- ✓ Powdered steel enclosure structure

Proprietary Notice

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Screen

Parameter	Specification
Video Orientation	Landscape
Screen Dimensions	1020mm (width) x 575mm (height); (40.2 inches x 22.6 inches)
Enclosure Dimensions	1200mm (width) x 750mm (height) x 282mm (depth); (47.2 inches x 29.5 inches x 11.1 inches)
Resolution	1920 x 1080 pixels
Color	1.07 billion colors (10-bit)
Dimming	50-100% automatic dimming
Calibrated Intensity	2500 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)
Burn Time (one static image)	30 min

Power, Computer & Electronics

Parameter	Specification	
Power Consumption	Max 1200W, Nominal 1000W, Min 500W, 120V	
Embedded computer (1)	CPU	Intel i5 Processor
	RAM	DDR3 8 GB
	Storage	SSD 128 GB
	OS	Windows IoT Enterprise
Inputs / Outputs	1) HDMI, DVI (720p/1080i/1080p) 2) USB 2.0 3) PC Input via 15-pin 4) LAN (RJ45, Cat 6)	
On Screen Display (OSD)	English (default),	

System Level Design & Durability

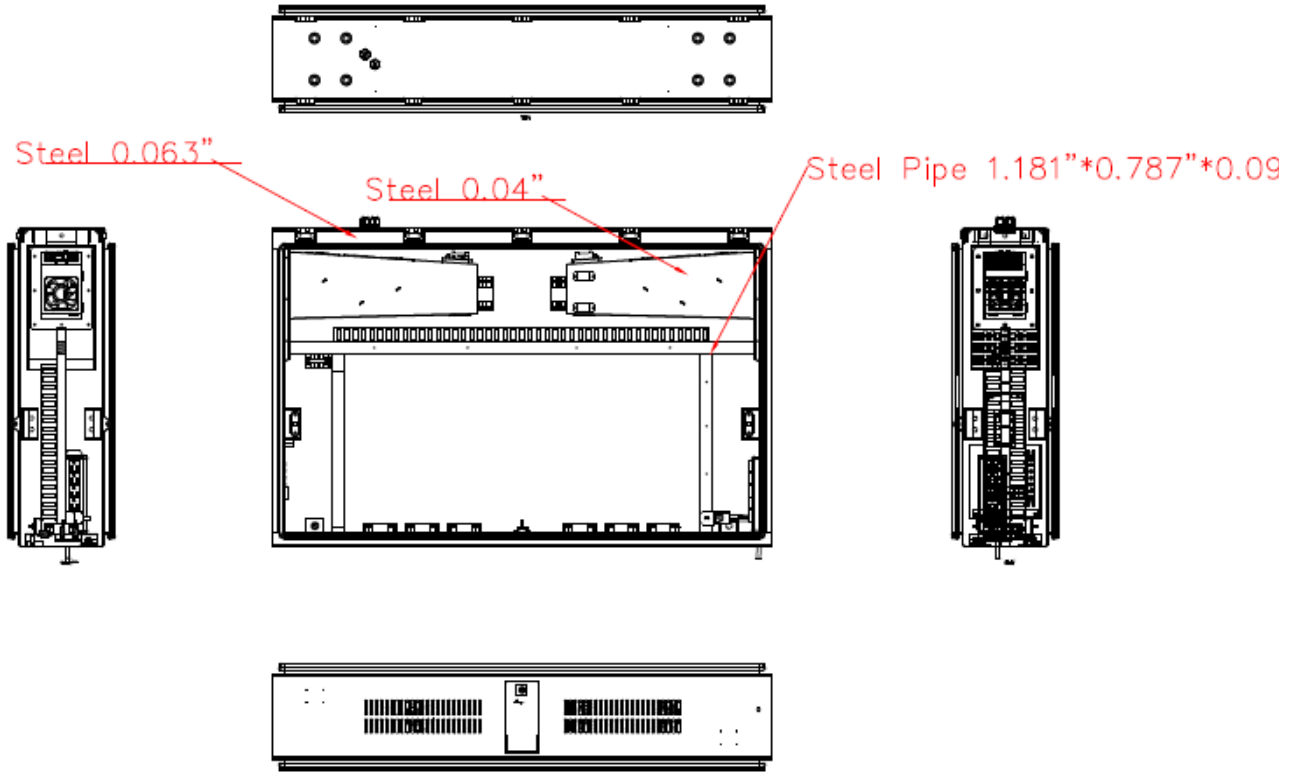
Parameter	Specification
Rated Operating Conditions	Temperature: -30°C to +50°C Humidity: 20% to 80%
Heating, Ventilation & Air Circulation (HVAC)	Automated system for heating & cooling with active air inflow & exhaust <i>[patent pending]</i>
External Housing	Fully-sealed, weather-proof enclosure Powder coated surface treatment Black or Beige color options Available finishing materials: Stainless steel, Aluminum, Architectural glass
Glass	Anti-vandal, tempered glass
Certification	FCC, UL48, UL879, UL 60695
Warranty	36 Months
Mean Time Between Failure	50,000 hours
Electric Sign Controller Health Monitoring System [Model: NRMCB-10]	Remote Health Monitoring capabilities: <ul style="list-style-type: none"> - Monitor Internet Connection - 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 and safety - Sequential power booting program <ul style="list-style-type: none"> • Remote power reset • Remote computer reset • Remote LCD reset • Remote IoT reset

Maintenance Door Concept

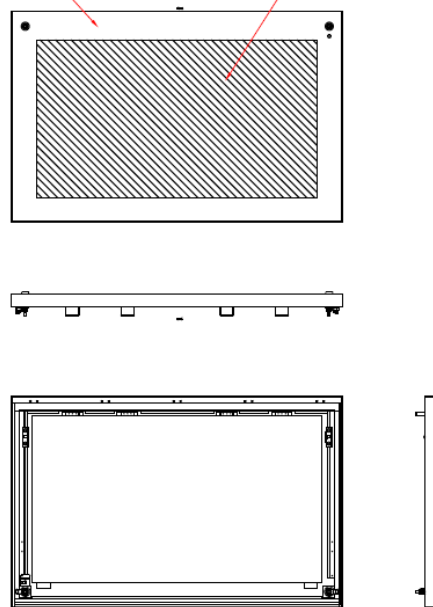
This Nanov Display product is designed with easy maintenance access in mind. You can swing open the enclosure door to access the monitor in no time at all. Next, to access the electronics directly, the screen can pivot upwards thanks to its mounting with heavy-duty pneumatic spring.



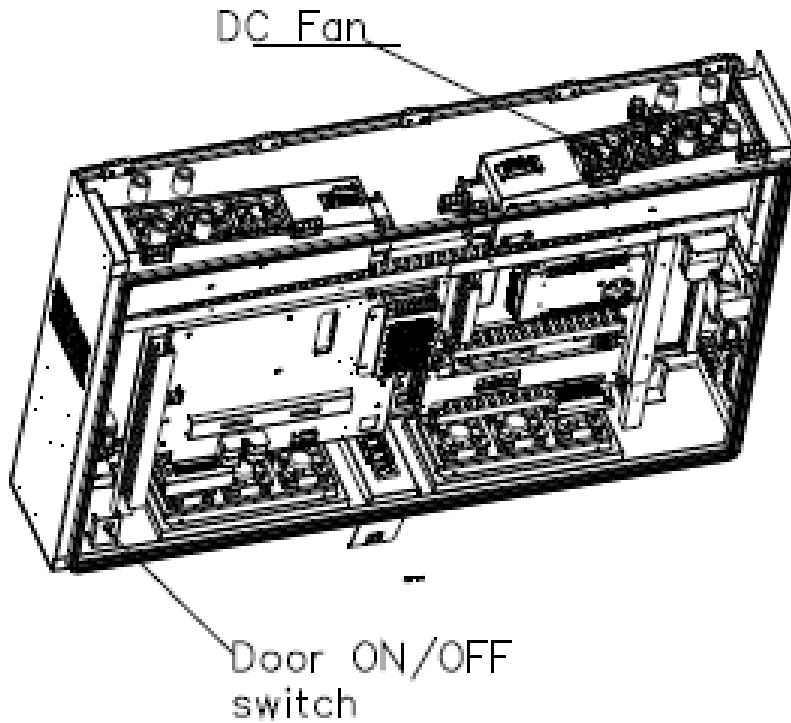
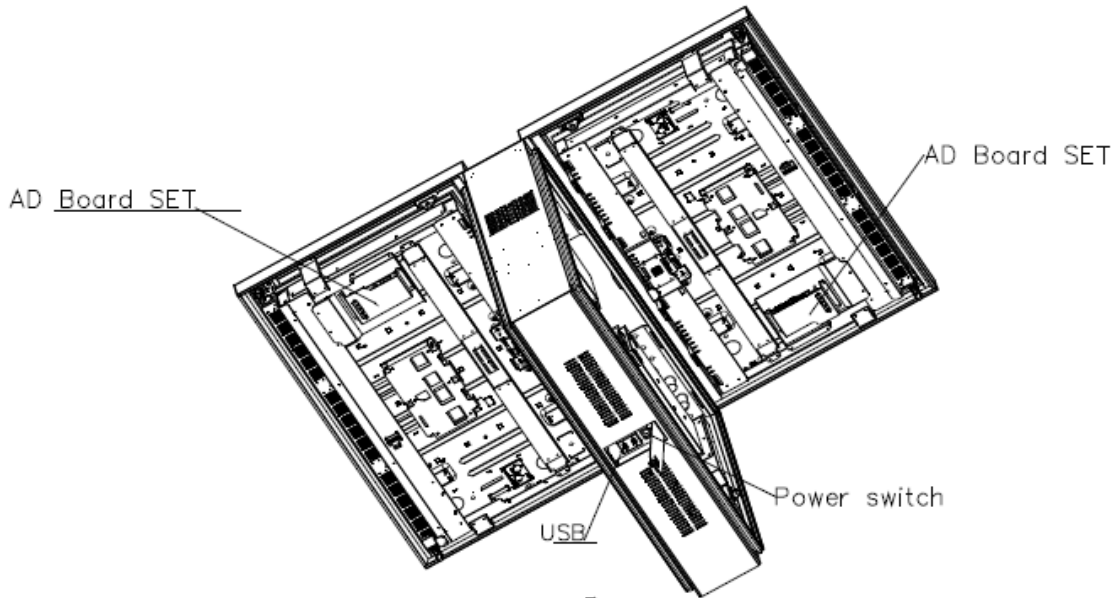
Material Drawing

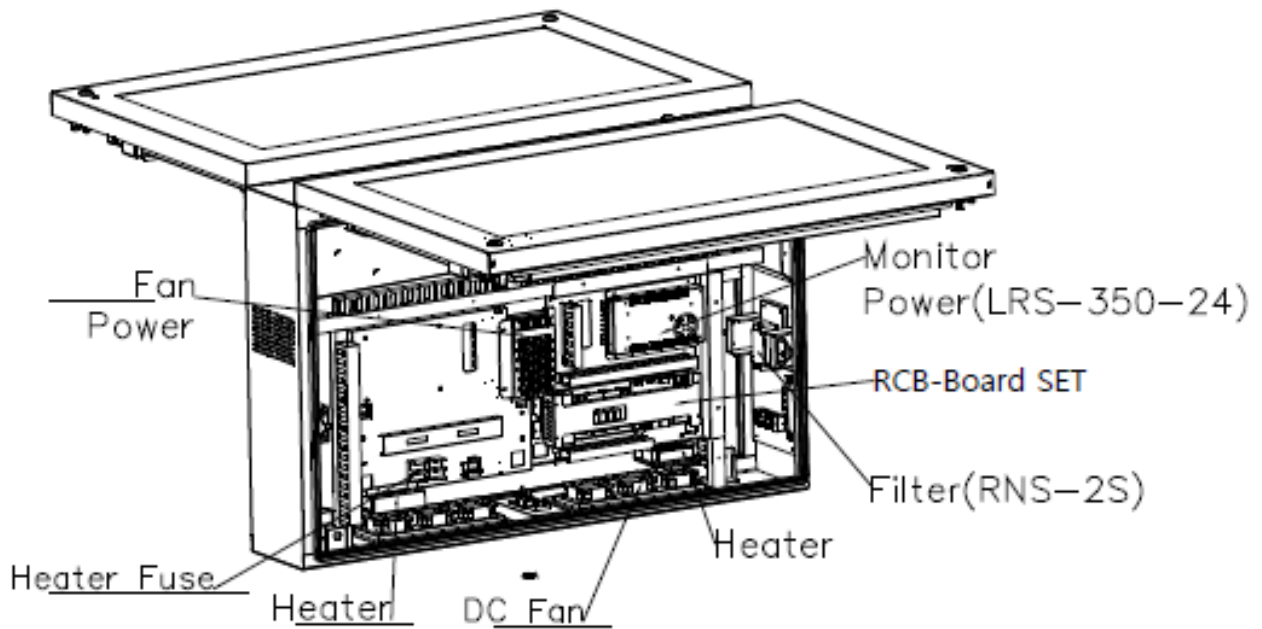
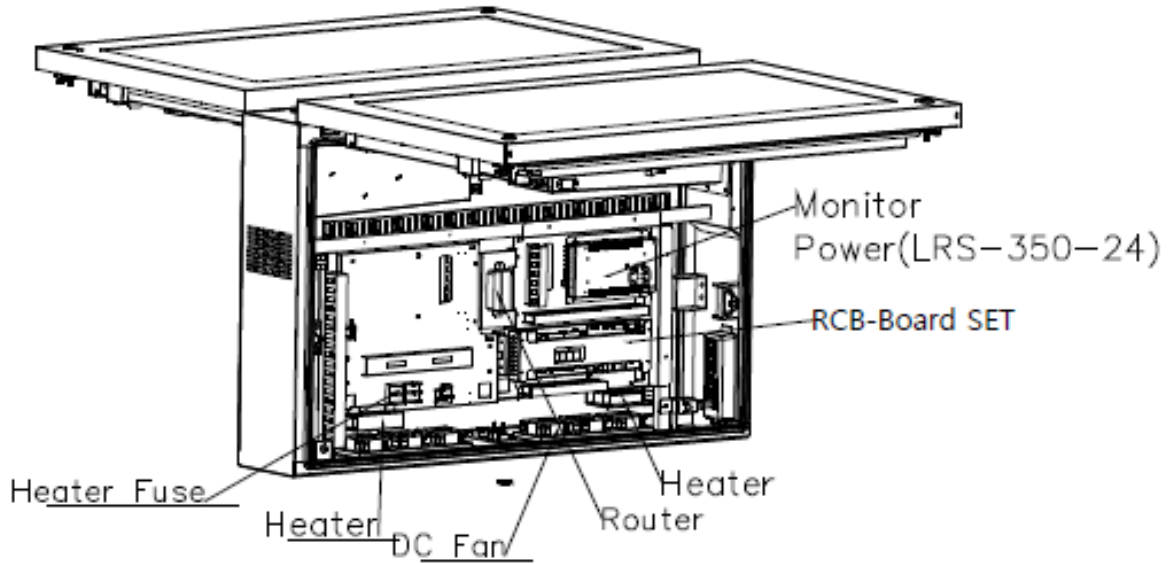


Vandal Proof Glass Steel 0.063" 6T Glass



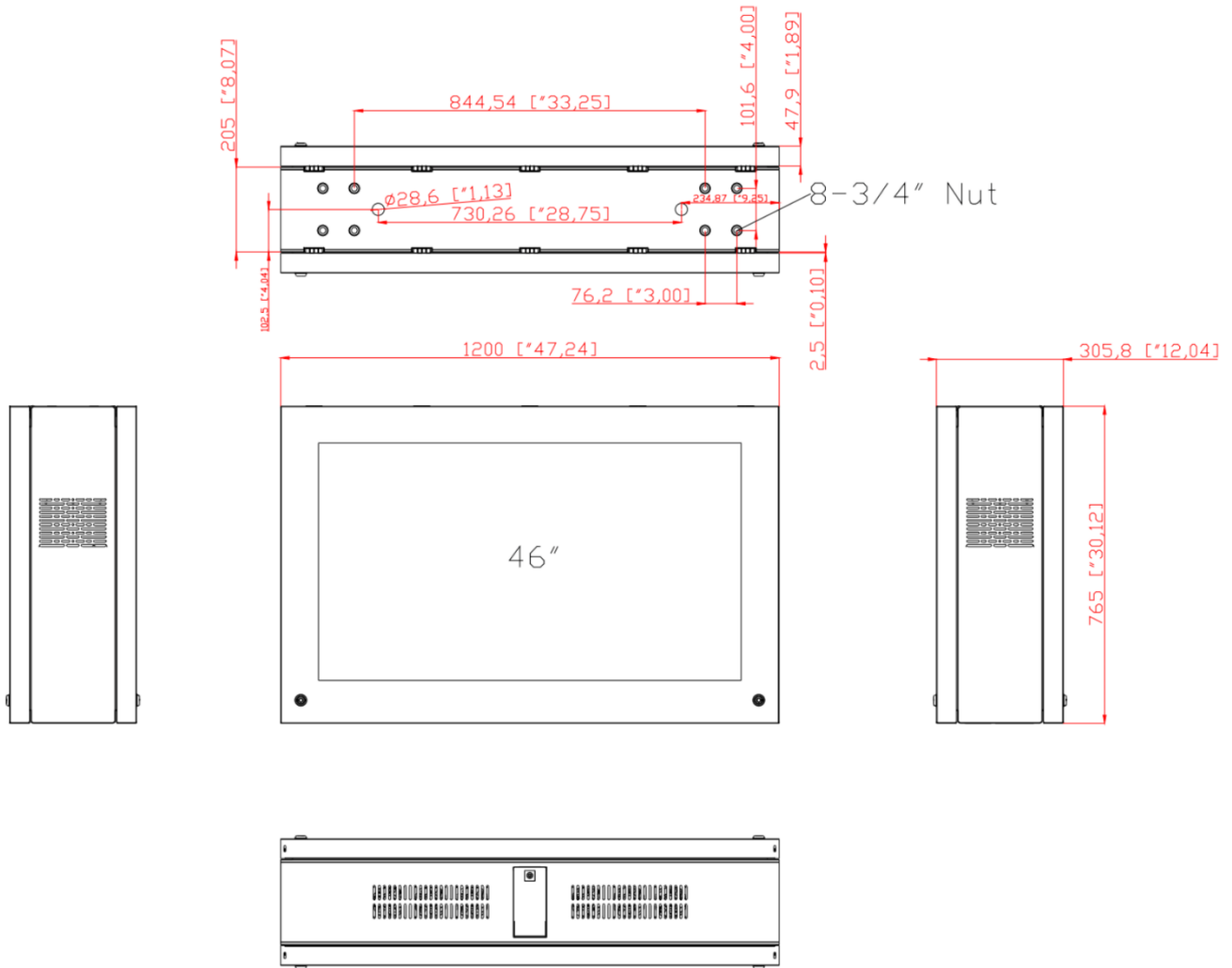
Component Layout Drawing



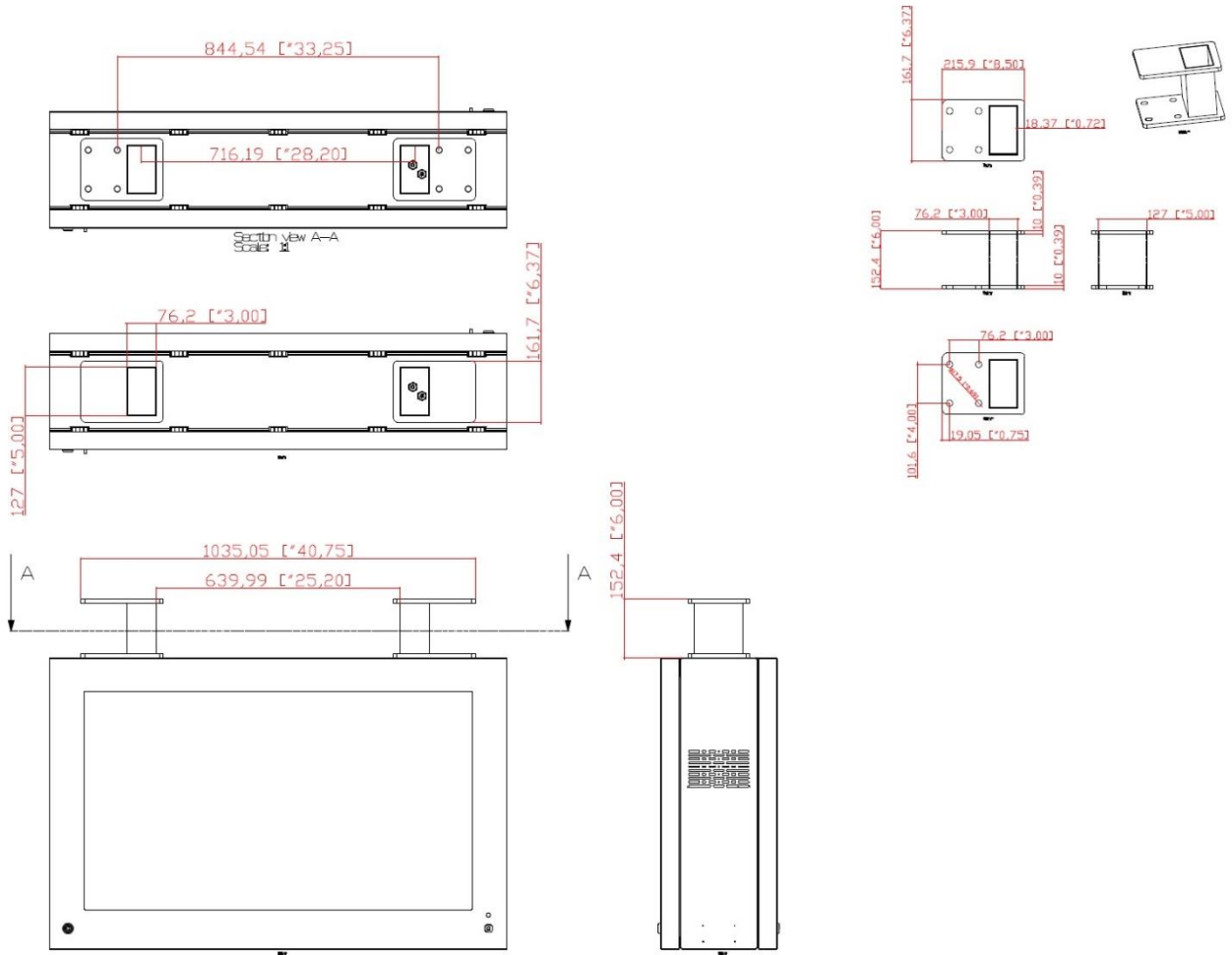


Physical Dimensions

Total System Weight: 60 kg (132 lb.) per unit



Optional: Mount Bracket Information



Power Data Input Ports – Cable Grand

Waterproof, Via inside HSS pipes



Bottom View and Application (Black color option)



Nanov Sign Controller

General Description

Nanov Sign Controller is the 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 communication via modem -auto ping/reset
- Alarm via email or text

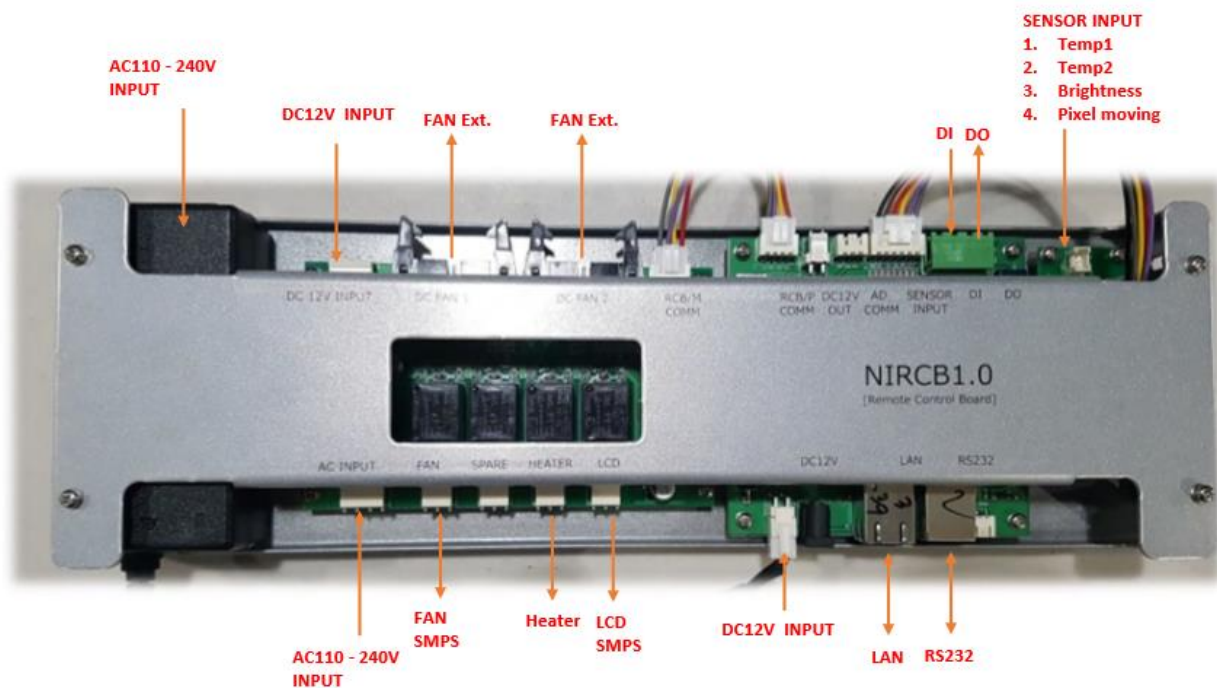


Fig. 1- NIRC1.0 Nanov Sign Controller

Remote Health Monitoring System Dashboard

Keywords delete

	Name	Type	Group	IP	MAC	Status
<input type="checkbox"/> Groups	SouthGarland-11-025-1946-132A	G3	Deployed	192.168.32.3	70:B3:D5:2D:04:D4	ON-LINE
<input type="checkbox"/> unassigned	MLK-12-007-1945-063A-F	G3	Deployed	192.168.32.3	70:B3:D5:2D:04:C9	ON-LINE
<input type="checkbox"/> Deployed	MLK-12-007-1945-063B-F	G3	Deployed	192.168.32.4	70:B3:D5:2D:04:CA	ON-LINE
<input type="checkbox"/> Lab	LakeRayHubbard-09-033-1945-075A	G3	Deployed	192.168.32.3	70:B3:D5:2D:05:12	ON-LINE
<input type="checkbox"/> Ready	LakeRayHubbard-09-033-1945-075B	G3	Deployed	192.168.32.4	70:B3:D5:2D:05:15	ON-LINE
<input type="checkbox"/> SI	MLK-12-006-1945-066A-F	G3	Deployed	192.168.32.3	70:B3:D5:2D:05:58	ON-LINE
<input type="checkbox"/> Status	MLK-12-006-1945-066B-F	G3	Deployed	192.168.32.4	70:B3:D5:2D:05:66	ON-LINE
<input type="checkbox"/> ON-LINE	SouthGarland-11-023-1946-097A	G3	Deployed	192.168.32.3	70:B3:D5:2D:05:72	ON-LINE
<input type="checkbox"/> OFF-LINE	SouthGarland-11-023-1946-097B	G3	Deployed	192.168.32.4	70:B3:D5:2D:05:73	ON-LINE
<input type="checkbox"/> Operation Mode	JackHatchell-08-019-1946-089B	G3	Deployed	192.168.32.4	70:B3:D5:2D:05:78	ON-LINE
<input type="checkbox"/> Auto	JackHatchell-08-019-1946-089A	G3	Deployed	192.168.32.3	70:B3:D5:2D:05:74	ON-LINE
<input type="checkbox"/> Manual	JackHatchell-08-020-1946-084A	G3	Deployed	192.168.32.3	70:B3:D5:2D:05:84	ON-LINE
<input type="checkbox"/> LCD Color	JackHatchell-08-020-1946-084B	G3	Deployed	192.168.32.4	70:B3:D5:2D:05:82	ON-LINE
<input type="checkbox"/> LT	SouthGarland-11-024-1946-082A	G3	Deployed	192.168.32.3	70:B3:D5:2D:05:79	ON-LINE
<input type="checkbox"/> LF						
<input type="checkbox"/> Door						
<input type="checkbox"/> Opened						
<input type="checkbox"/> Closed						

Refresh

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 **Control Value**

Operation Mode	Auto	Auto	LED R	255	0 64 127 191 255
LCD Display ON/OFF	ON	ON	LED G	255	0 64 127 191 255
Brightness	70%	50%	LED B	0	0 64 127 191 255
Volume	50%	50%			
Input Source	HDMI	HDMI			

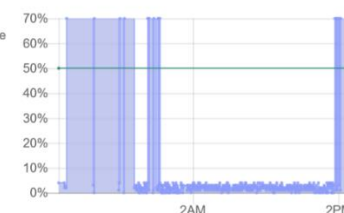
Archive History

Equip Info
Condition
Control Set
Control Power
History


Equipment SouthGarland-11-025-1946-132A
* Only one selected device will display history.

Period 1 Day 1 Week 1 Month Excel

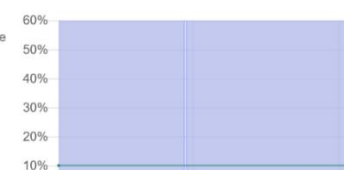
Brightness




Temp. 1,2,3



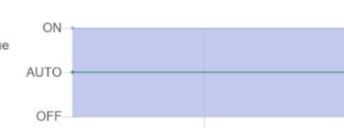
FAN Speed



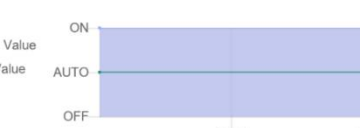
Heater Operating Humidity




LCD POWER



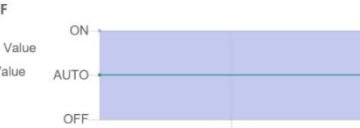
FAN POWER



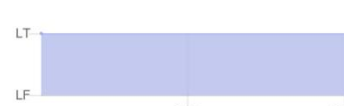
HEATER POWER




LCD Display ON/OFF



Pixel Moving Sensor



Door Status



Keywords delete

	Name	Type	Group	IP	MAC	Status
<input checked="" type="checkbox"/>	SouthGarland-11-025-1946-132A	G3	Deployed	192.168.32.3	70:B3:D5:2D:04:D4	ON-LINE
<input type="checkbox"/>	1946_116A	G3		192.168.32.151	70-B3-D5-2D-05-C0	ON-LINE

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