

Redwood LED Display Series

The bezel-free Redwood LED Display series is the perfect solution for your indoor signage needs. Its modular design, front and rear servicing feature, and light weight cabinet make it easy to build, maintain, and install the digital signage you need. It has a thin frame that allows for minimum spatial invasion and maximum customer viewing experience. The low pixel pitch allows viewers to be within a few feet of the display and read the communication with no pixilation.

Not only can you seamlessly create high resolution video walls, you can also design an infinite number of ways to configure the tiles. It can deliver advertising content, customer communications, create dynamic real-time displays real time videos of the sky on the ceiling of a conference room, or simply create a beautiful background for a hallway or lobby.

Great option for:

- Video walls
- Hotel/Bank
- Conference Rooms
- Retail
- Churches/Classrooms
- Airport/Train Stations
- Light Weight Applications
- & countless other applications



Pixel Pitch

- 2 mm
- 3 mm

Brightness

- 1000 nits
- 3000 nits
- Adjustable

Resolution Capabilities

- HD
- 2K
- 4K
- 4K+

View Distance

- 6 ft+
- 9 ft+

Mounting Options

- Stacked
- Suspended
- Pole mount
- Wall mount
- Ceiling mount
- Tile to tile mounting hardware included

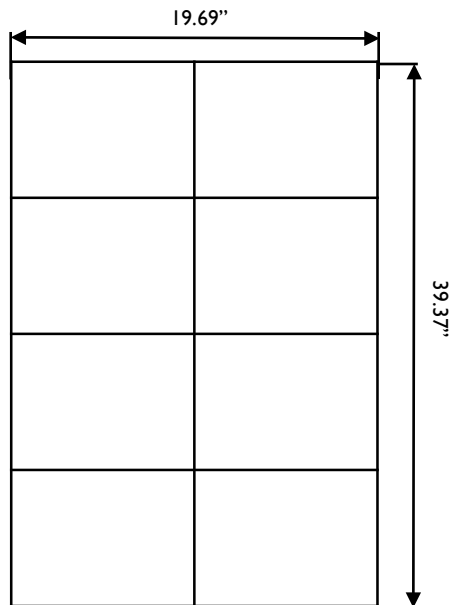
Tile Size

- 19.7" x 19.7"
- 2.69 ft²
- 19.7" x 39.4"
- 5.38 ft²

Warranty

- 6-Year Warranty - Includes labor
- 15-Month Lease to Upgrade Option
- 36-Month Lease to Own Option

Redwood 2P - 5A



Front Module Matrix

Design

- Screen size (area) 5.38 ft²
- Tile Size (WxHxD) 19.69" x 39.37" x 3.28"
- Aspect ratio 1:2
- Tile Weight 29 lbs
- Cabinet Material Die Cast Aluminum
- Operating Temperature/Hum 14F - 113F / 10 - 80% RH
- Viewing Angle H:140 ; V:120
- Lifetime >100,000 hours

Picture Quality

- Pixel Pitch 2.6 mm
- Resolution 192 x 384 pixels
- Refresh Rate 3840 Hz
- Contrast Ratio 3000:1
- Brightness Option 1 1000 nits
- Brightness Option 2 3000 nits
- Pixel Density 32,768 pixels

LED Features

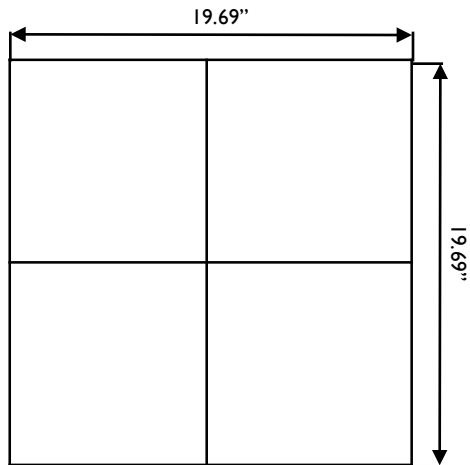
- Color Temperature 2000K - 9300K Adjustable
- LED type SMD2121

Electrical Characteristics

- Power Consumption 80 W/Tile TYP / 240 W/Tile MAX
- Amp Draw See Performance Specs
- Power Supply Options 120 VAC std / 277 & 480 VAC Option
- Tile Interconnect Cable RJ45 Cable
- Control Input DVI, HDMI, USB
- Accessories Included RJ45 Connectors, HDMI-DVI, USB.B-USB

Specifications and tile cabinet appearance subject to change without notice. All values typical unless otherwise noted. Visit www.Noribachi.com for more information. ©2016

Redwood 3P - 3A



Front Module Matrix

Design

Screen size (area)	2.69 ft ²
Tile Size (WxHxD)	19.69" x 19.69" x 3.17"
Aspect ratio	1:1
Tile Weight	14 lbs
Cabinet Material	Aluminum
Operating Temperature/Hum	32F - 113F / 10 - 90% RH
Viewing Angle	H:140 ; V:120
Lifetime	>100,000 hours

Picture Quality

Pixel Pitch	3.9 mm
Resolution	128 x 128 pixels
Refresh Rate	>1920 Hz
Contrast Ratio	3000:1
Brightness	1000 nits
Pixel Density	16,384 pixels

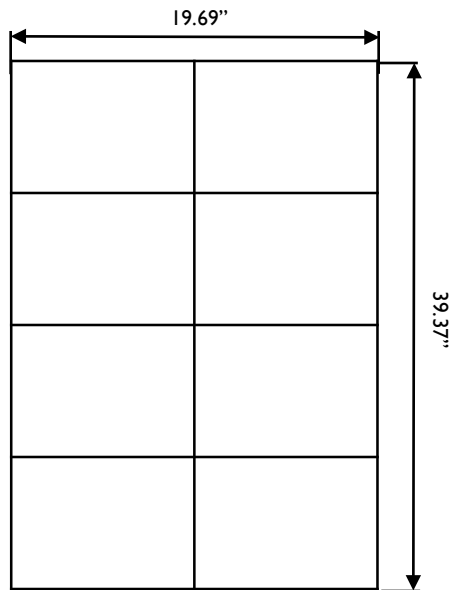
LED Features

Color Temperature	2000K - 9300K Adjustable
LED type	SMD2121

Electrical Characteristics

Power Consumption	40 W/Tile TYP / 120 W/Tile MAX
Amp Draw	See Performance Specs
Power Supply Options	120 VAC std / 277 & 480 VAC Option
Tile Interconnect Cable	RJ45 Cable
Control Input	DVI, HDMI, USB
Accessories Included	RJ45 Connectors, HDMI-DVI, USB.B-USB

Redwood 3P - 5A



Front Module Matrix

Design

Screen size (area)	5.38 ft ²
Tile Size (WxHxD)	19.69" x 39.37" x 3.28"
Aspect ratio	1:2
Tile Weight	27 lbs
Cabinet Material	Die Cast Aluminum
Operating Temperature/Hum	14F - 113F / 10% - 80% RH
Viewing Angle	H:140 ; V:120
Lifetime	>100,000 hours

Picture Quality

Pixel Pitch	3.9 mm
Resolution	128 x 256 pixels
Refresh Rate	>1920 Hz
Contrast Ratio	3000:1
Brightness	1000 nits
Pixel Density	32,768 pixels

LED Features

Color Temperature	2000K - 9300K Adjustable
LED type	SMD2121

Electrical

Characteristics

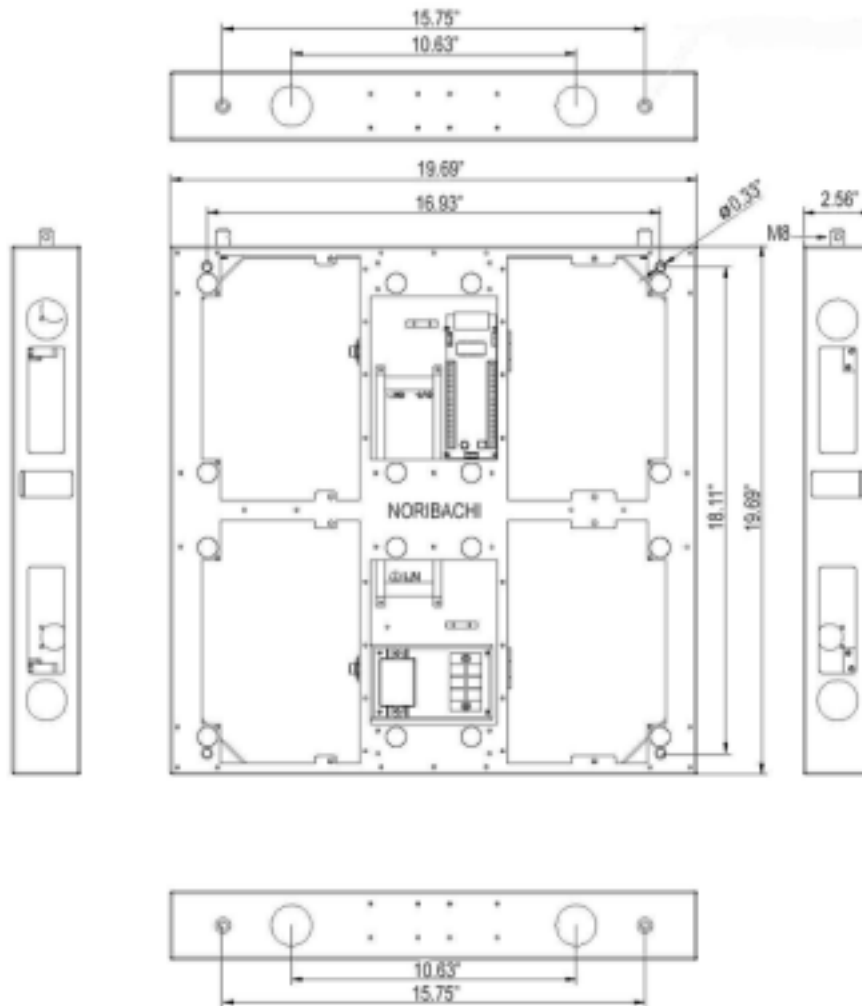
Power Consumption	80 W/Tile TYP / 240 W/Tile MAX
Amp Draw	See Performance Specs
Power Supply Options	120 VAC std / 277 & 480 VAC Option
Tile Interconnect Cable	RJ45 Cable
Control Input	DVI, HDMI, USB
Accessories Included	RJ45 Connectors, HDMI-DVI, USB.B-USB

Physical Attributes – 3A

Redwood 3P

Mounting

- 4 M10 size through holes in the corners of the display
- Sturdy, light frame can be utilized during installation
- Mount directly to other tiles using included hardware
- Mount directly to wall using customers hardware
- Studs on top of tiles mate with holes on bottom of tiles ensure perfect alignment during installation



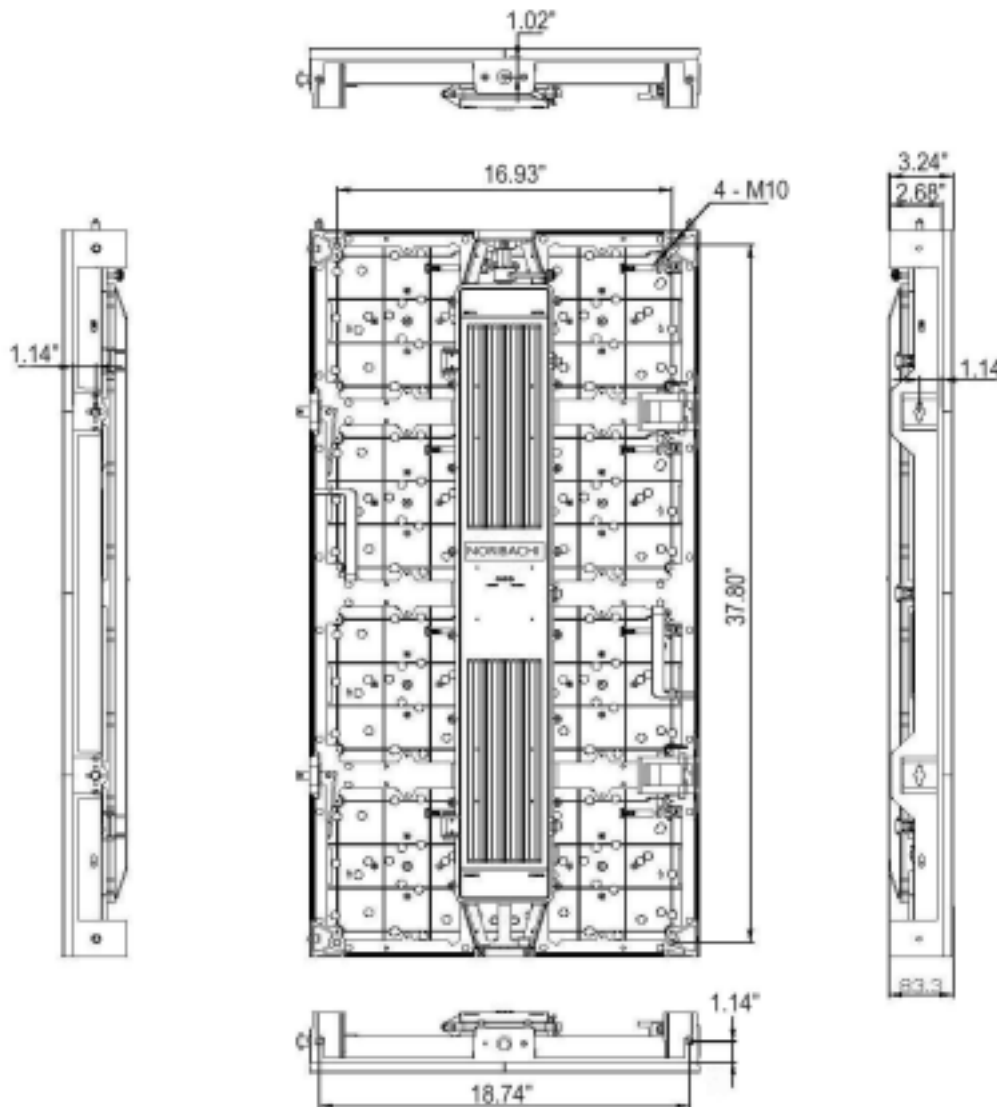
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Physical Attributes – 5A

Redwood 2P & 3P

Mounting

- 4 M10 size through holes in the corners of the display
- Sturdy, light frame can be utilized during installation
- Mount directly to other tiles using included hardware
- Mount directly to wall using customers hardware
- Studs on top of tiles mate with holes on bottom of tiles ensure perfect alignment during installation



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System Specifications

Electrical Characteristics

All panels come standard for 100 – 240 VAC input. Optional upgrade to 277 and 480VAC. The driving method is Constant Current. The LED wavelength ranges are R:630-630nm, G:520-535nm, B:465-475nm.

Software and Control Options

Standard Noribachi Software comes with all Noribachi ALiVE display purchases. Software features allow users to create complex timed schedules; use endless media inputs; program videos: URLs; RSS xml files; and date and time options. An optional software upgrade is available for a monthly subscription fee. Upgrade builds on the standard Noribachi software with more media inputs, remote control of displays from central computer and 24/7 customer support. Additional information on the Noribachi software features is located in the Media section of the ALiVE Product Family Brochure.

Maintenance

The Redwood Series is front and rear serviceable. Meaning the electrical components can be accessed from the front and back of the tiles. This creates ease of maintenance and more flexibility for tile configuration.

Video Processor

A Video processor is needed when displaying 2K or greater content. Configurations that need a video processor are outlined for this series in the following Performance Specifications section. Video processor specifications are located in the controls section of the ALiVE Product Family Brochure.

Connecting Tiles

The tiles have through holes in its 4 corners as well as holes in the top and sides of the tile frames. The holes and frame can be used in many ways to either mount the tiles together or on a wall. The media is sent to the tiles and distributed using RJ45 connectors. Virtually unlimited number of tiles can be made into a single video wall. For more Redwood Series information or specific mounting questions, please contact Noribachi Display Support at 855.283.1100.

Performance Specifications

Electrical Load								
Tile Part No.	Drive current (Amps @120VAC)		Drive Current (Amps @277 VAC)		Drive Current (Amps @480VAC)		System Power (Watts)	
	Typ	Max	Typ	Max	Typ	Max	Typ	Max
2P-5A-BR1	0.67	2.00	0.29	0.87	0.17	0.50	80	240
2P-5A-BR2	0.67	2.00	0.29	0.87	0.17	0.50	80	240
3P-2A-BR1	0.33	1.00	0.14	0.43	0.08	0.25	40	120
3P-5A-BR1	0.67	2.00	0.29	0.87	0.17	0.50	80	240

Tiles per Standard 20 Amp Outlet			
Tile Part No.	Tiles @120 VAC	Tiles @277 VAC	Tiles @480 VAC
2P-5A-BR1	≤ 10	≤ 23	≤ 40
2P-5A-BR2	≤ 10	≤ 23	≤ 40
3P-2A-BR1	≤ 20	≤ 46	≤ 80
3P-5A-BR1	≤ 10	≤ 23	≤ 40

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How to Order

Redwood Series				
Numbering Order	Specification	Required or Optional	Allowed Values	Description
1	Series Name	Required	RDW	Redwood Series
2	Pixel Pitch	Required	2P	2.0 mm Pixel Pitch
			3P	3.0 mm Pixel Pitch
3	Tile Size	Required	2A	2.69 ft ² Tile area; for 3P only
			5A	5.38 ft ² Tile area
4	Brightness	Required for 2P only	BR1	Standard Brightness
			BR2	Ultra-Bright Option; for 2P only

Sample Order Code
RDW-2P-5A-BR1

Control Configuration Needed (Based on quantity of tiles ordered)			
Tile Part No.	Nori300 Configuration	Nori600 Configuration	Video Processor Configuration
RDW-2P-5A-BR1	1 - 19 Tiles	19 - 30 Tiles	> 30 Tiles
RDW-2P-5A-BR2	1 - 19 Tiles	19 - 30 Tiles	> 30 Tiles
RDW-3P-2A-BR1	1 - 72 Tiles	73 - 120 Tiles	> 120 Tiles
RDW-3P-5A-BR1	1 - 35 Tiles	36 - 60 Tiles	> 60 Tiles

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REDWOOD SERIES

ALiVE Product Family Brochure



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