ABSTRACT PRODUCTIONS

EVENT PRODUCTION RESOURCE

LED VIDEO WALL SPEC SHEET

Indoor and outdoor LED walls for New Orleans and the greater Gulf South

Everything you need to spec an LED video wall for your event: panel options, common wall sizes, power and rigging requirements, what we include, and the answers we get asked most. Send it to your venue or AV lead and we will quote from it.

PANEL & SYSTEM SPECIFICATIONS

Pixel pitch	1.9mm, 2.6mm and 3.9mm indoor; 4.8mm outdoor-rated
Cabinets	500 x 500mm and 500 x 1000mm modular, seamless tiling
Refresh rate	3,840Hz - flicker-free on broadcast and IMAG cameras
Brightness	800-1,500 nits indoor; 5,000+ nits outdoor
Processing	Novastar / Brompton with scaling, genlock and backup
Inputs	HDMI, SDI and NDI with redundant playback and switching
Structure	Flown from truss or ground-stacked on certified goal posts
Service radius	New Orleans, Baton Rouge and the greater Gulf South

COMMON WALL SIZES

10' x 6'	Up to 150 (breakouts, booths) | Pitch: 1.9mm - 2.6mm
16' x 9'	150 - 1,000 (ballroom general session) | Pitch: 2.6mm - 3.9mm
20' x 11'	1,000+ (large session, outdoor stage) | Pitch: 3.9mm - 4.8mm
Custom width	Panoramic stage backdrops, columns, ribbons | Pitch: By viewing distance

POWER, DATA & RIGGING

- Dedicated 20A or 208V circuits sized to the panel count, confirmed at the site check
- Power and data daisy-chained from the processor with cable ramps in public paths
- Redundant playback and a spare-panel allowance on every wall
- Rigging plot submitted to the venue for flown walls; ballast plan for ground support
- Outdoor builds add IP-rated panels, weather-protected processing and a wind plan

INCLUDED IN EVERY WALL

- Delivery, load-in and load-out
- Rigging or ground support structure
- Video processing, scaling and switching
- On-site technician for the run of show
- Testing and content check before doors
- Spare panels and redundant playback

AVAILABLE ADD-ONS

- Playback operator and show caller
- Camera package with IMAG and live switching
- Content resizing to native wall resolution
- Streaming encode and remote audience feed
- Additional confidence monitors and downstage screens

RECENT LED WALL INSTALLS

16'x9' main-stage wall for a 1,400-seat general session

Corporate conference - Downtown convention center ballroom, New Orleans, LA

A single seamless 16'x9' wall replaced a three-screen projection package so the back row could read presenter decks without a dimmed room. Two camera IMAG feeds were switched into the wall for keynotes.

Results: Screens replaced: 3 projectors 1 wall | Room light level kept up: 100% - no dim cues | Load-in time: 5.5 hours, dark to show-ready | Session downtime: 0 minutes across 2 days

20'x11' outdoor screen for an evening fundraising gala

Nonprofit gala & fundraiser - Riverfront outdoor plaza, Baton Rouge, LA

An IP-rated 4.8mm wall on ground support carried the donor program, live camera feed and sponsor loop from golden hour into full dark, with a wind plan and redundant playback for the outdoor build.

Results: Readable in daylight: 5,000+ nits through sunset | Sponsor logo rotations: 18 brands across the night | Weather holds called: 0 - wind plan held | Program interruptions: None; backup playback unused

Booth-scale LED column wall for a multi-day brand activation

Trade show & brand activation - Exhibit hall activation footprint, Gulf South regional show

A tight 1.9mm wall sized to a walk-up booth looped brand content for three show days, with content resized to native wall resolution ahead of load-in so nothing scaled soft on the floor.

Results: Show days run: 3 days, 27 show hours | Panel failures: 0 - spare allowance unused | Content resizes delivered: Native-res, day before load-in | Daily tech coverage: On-site tech, open to close

FREQUENTLY ASKED

What size LED video wall do I need for my event?

Size the wall to the room and the back row: a common rule is one foot of screen height for every 8 feet of viewing distance. Abstract Productions typically specs a 10'x6' wall for breakouts of up to 150 people, 16'x9' for ballroom general sessions, and 20'x11' or wider for audiences over 1,000.

What pixel pitch and refresh rate should an event LED wall have?

Pixel pitch should tighten as viewers get closer - 1.9mm to 2.6mm for walls people stand near, 3.9mm for stage backdrops, and 4.8mm outdoors. For any event with cameras, streaming or IMAG, use panels running a 3,840Hz refresh rate so the wall records without banding or flicker.

Can you install an LED wall outdoors in Louisiana weather?

Yes. Abstract Productions uses IP-rated outdoor panels with 5,000+ nits of brightness so content stays readable in daylight, plus weather-protected processing, ballasted or ground-supported structure and a wind plan for Gulf South conditions.

What power and cabling does an LED video wall require?

Walls need dedicated 20A or 208V circuits sized to the panel count, with power and data run in a daisy chain from the processor. We supply distro, cable, ramps and redundant playback, and confirm the venue's available power during the site check before load-in.

How much lead time do you need to book an LED wall?

Two to four weeks is comfortable for a standard indoor wall, and four to six weeks for large outdoor or custom builds that need rigging approval. We regularly turn around shorter timelines in New Orleans and the Gulf South - call 504-837-1527 to check availability for your date.

Is setup, operation and breakdown included?

Yes. Quotes include delivery, rigging or ground support, processing, testing, an on-site technician for the show, and full breakdown. Playback operators, camera packages and content resizing can be added.

START AN LED WALL QUOTE

Call 504-837-1527 / 877-597-2595 | sales@abstractproductions.net

abstractproductions.net/contact?service=video&utm_source=spec_sheet&utm_medium=pdf&utm_campaign=led-video-wall