



We own the gear. We crew the show.

Top LED Lumination rents LED walls, displays, touchscreens, audio and lighting for trade shows and live events. We own the gear we bring. Our own crew builds and runs the show, or your crew installs it with our setup docs. We work from Las Vegas and Orlando and travel to shows across the US. Exhibit houses and agencies can book us white-label.

Serving trade shows since 2015, with thousands of successful events.

WHAT WE COVER

LED walls

Flat, curved, hanging and outdoor walls, P1.5 to P4.8.

Specialty LED

Spheres, posters, tunnels, floors, mesh, counters and podiums.

TVs and LCD walls

Flat panels 32 to 100 in, plus 46 in video-wall panels.

Touchscreens

PCAP touchscreens 43 to 65 in, kiosks and touch overlays.

Interactive

Touch walls, a touchscreen-run sphere, AI selfie mosaic, selfie walls.

Audio

PA, microphones, mixing and crew comms.

Lighting

Moving heads, washes, spots and consoles.

Video processing

Scaling, switching and playback for every screen.

Media servers

Playback workstations, mini PCs and tablets.

Truss and rigging

Box truss, base plates and flown LED.

Furniture

Counters, tables, seating and pipe-and-drape.

Crew

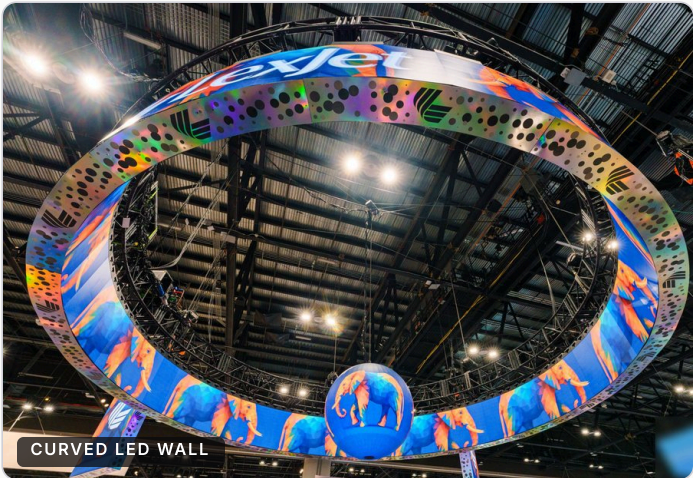
Our own techs load in, run the show and load out.

LED tiles we carry

We own every tile here. Pick the pitch by how close people stand: smaller means finer up close.

PITCH	CABINET	PIXELS	TYPE	COMFORTABLE FROM	BEST FOR
P1.5 1.5 mm	500 × 500 mm 19.7 × 19.7 in	320 × 320	Indoor · GOB · Curve · Flat	~8 ft ~2.5 m	Selfie walls, close-up interactive and tight camera shots.
P1.9 1.9 mm	500 × 500 mm 19.7 × 19.7 in	256 × 256	Indoor · GOB · Curve · Flat · Flexible · 90° corner	~11 ft ~3.5 m	Curved close-up walls, columns and wraps, down to a 5 ft curve diameter.
P2.3 2.3 mm	496 × 496 mm 19.5 × 19.5 in	208 × 208	Indoor · Flat · Flexible	~13 ft ~4 m	Curved booth and stage walls seen from normal room distance.
P2.6 2.6 mm	500 × 500 mm 19.7 × 19.7 in	192 × 192	Indoor · GOB · Curve · Flat · 90° corner	~15 ft ~4.5 m	Our default for keynote stages and most booth walls.
P2.8 2.8 mm	500 × 500 mm 19.7 × 19.7 in	176 × 176	Indoor · Curve · Flat	~16 ft ~5 m	Booth and stage walls at show-floor distance.
P2.9 2.9 mm	600 × 400 mm 23.6 × 15.7 in	204 × 136	Indoor · Flat	~16 ft ~5 m	Larger walls the audience sees from further back.
P3.9 3.9 mm	500 × 500 mm 19.7 × 19.7 in	128 × 128	Indoor · Curve · Flat	~22 ft ~6.5 m	Hanging signs, overhead banners and big walls seen across the room.
P4.8 4.8 mm	500 × 500 mm 19.7 × 19.7 in	104 × 104	Outdoor · Walkable floor	~27 ft ~8 m	Bright outdoor walls, and the walkable LED floor.
P3.9 × 7.8 3.9 × 7.8 mm	1000 × 500 mm 39.4 × 19.7 in	256 × 64	Indoor · Transparent mesh	~25 ft+ ~7.5 m+	See-through walls, window mounts and scenic.

GOB means the LED face is sealed under a protective coat, which suits walls people stand close to or touch. "Comfortable from" is a guide, not a limit. Plenty of clients view much closer, because event content is video and big graphics.



The pieces people walk over to see

LED spheres, posters, counters and podiums, plus tunnels and walkable floors.

ITEM	SIZE	DETAIL
LED sphere P1.8	5 ft (1.5 m) diameter	2,496 × 1,194 px. Plays all the way around. Floor pedestal or hoist.
LED sphere P2.0	6.5 ft (2.0 m) diameter	2,688 × 1,298 px. Plays all the way around. Floor pedestal or hoist.
LED poster P2.5	22 × 75 in screen	224 × 756 px. Freestanding with a weighted base. Several can run as one picture.
LED poster P1.8	Ask us	Freestanding, black finish. Finer pitch for close viewing.
LED counter P1.8	42 in or 66 in long (42 × 23 × 43 in, 66 × 23 × 43 in)	LED wraps the front and corners. Onboard player or HDMI. Lockable storage on the 66 in.
LED podium P1.8	21 × 18 × 45 in	Curved LED front, 172 × 516 px. Plug and play.
LED tunnel P1.5	Built to your space	A walk-through tunnel built from our fine-pitch tiles.
LED floor P4.8	Built to your space, 500 × 500 mm tiles	Walkable LED floor with protective covers.



TVs and LCD video walls

Flat-panel TVs from 32 to 100 in, and 46 in LCD panels that build into video walls.

Flat-panel TVs

SIZE	RESOLUTION	BRANDS
32 in	Ask us	Samsung, TCL, VIZIO
40 in	Ask us	Samsung, VIZIO
43 in	4K	Samsung, TCL
50 in	4K	Samsung
55 in	4K	Samsung, TCL
60 in	4K	Samsung, Philips
65 in	4K and 8K	Samsung, TCL, VIZIO
70 in	4K	Samsung
75 in	4K	Samsung, TCL
82 in	4K	Samsung
85 in	4K	Samsung, TCL
98 in	4K	Samsung, TCL
100 in	4K	Hisense

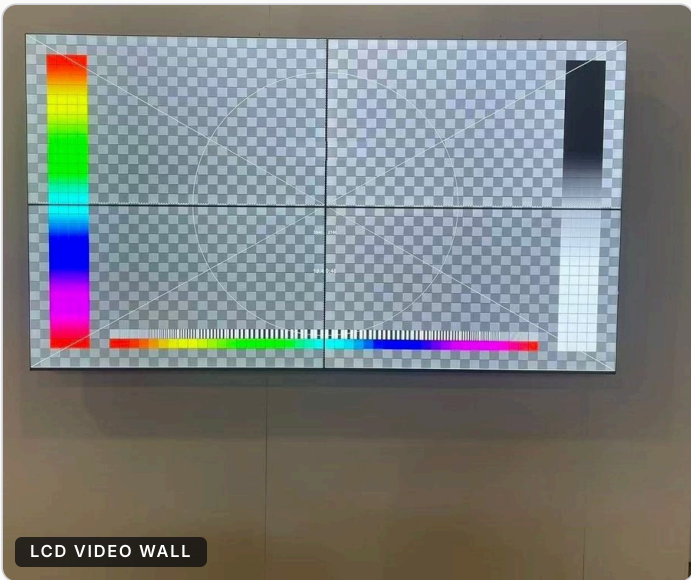
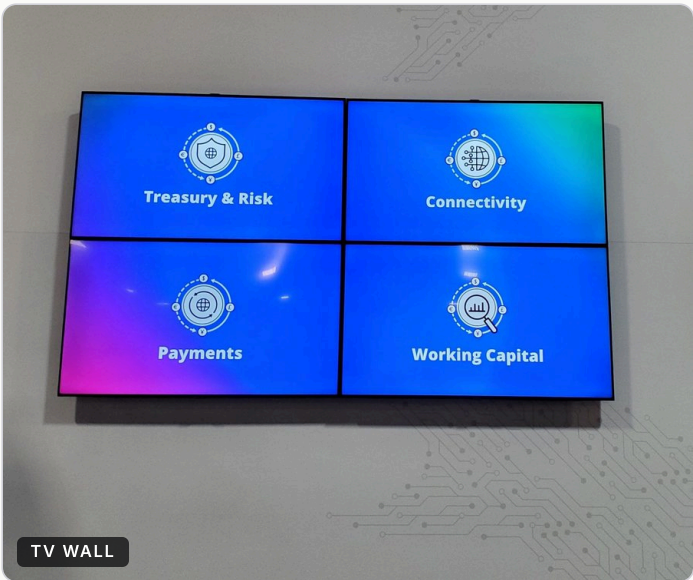
Floor stands, tabletop stands and wall mounts to match.

LCD video walls

3.5 mm bezel per panel, about 7 mm where two meet. Built into video-wall grids; a 2 × 2 is true 4K.

Panel	46 in ultra-slim bezel LCD
Resolution per panel	1920 × 1080 (Full HD)
Brightness	500 nit max (typical)
Viewing angle	178 / 178 (H/V)
Orientation	Landscape or portrait

GRID	SIZE	RESOLUTION
2 × 2	85 × 48 in 7.1 × 4.0 ft	3840 × 2160 True 4K
3 × 2	128 × 48 in 10.7 × 4.0 ft	5760 × 2160
4 × 2	171 × 48 in 14.2 × 4.0 ft	7680 × 2160
3 × 3	128 × 72 in 10.7 × 6.0 ft	5760 × 3240
5 × 2	213 × 48 in 17.8 × 4.0 ft	9600 × 2160
6 × 2	256 × 48 in 21.3 × 4.0 ft	11520 × 2160



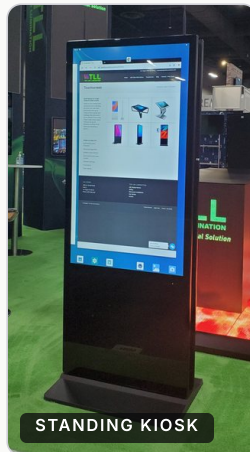
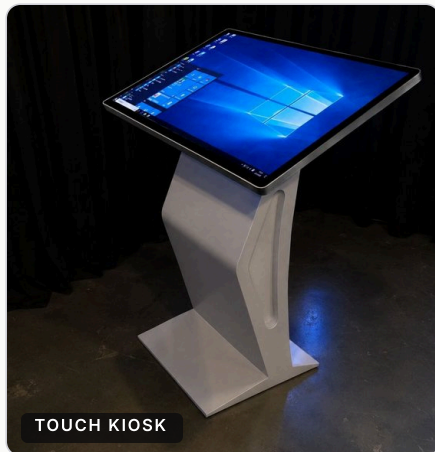
TOUCH

Touchscreens and kiosks

Our touchscreens use PCAP, the same fast multi-touch as a phone.

ITEM	SIZE	TOUCH	RESOLUTION	NOTES
PCAP touchscreen	43 in	Projected capacitive (PCAP), multi-touch	1080p or 4K	HDMI in, USB touch. Optional built-in PC. IPS panel, carry handle built in. 39 lb (4K) to 53 lb (1080p).
PCAP touchscreen	55 in	Projected capacitive (PCAP), multi-touch	1080p or 4K	HDMI in, USB touch. Optional built-in PC. IPS panel, carry handle built in. 77 lb.
PCAP touchscreen	65 in	Projected capacitive (PCAP), multi-touch	4K	HDMI in, USB touch. Optional built-in PC. IPS panel, carry handle built in. 59.4 × 34.8 in, just over 3 in deep, 102 lb.
PCAP kiosk	43 in or 55 in	Projected capacitive (PCAP), multi-touch	1080p or 4K	Built-in player, or your source over HDMI. Portrait, floor-standing. Also built from our loose touchscreens on a kiosk stand.
Touch overlay	32, 43, 50, 55, 65, 75, 82 and 85 in	Touch overlay frame	Matches the display	Fits over a TV or monitor and adds touch. Comes off clean. A 4 × 2.5 m overlay makes an LED wall touch-ready.
Giga-Tab	43 in or 55 in	Touch directly on the large screen	Ask us	A giant touchscreen that runs your iOS apps.

Floor stand or wall mount, VESA 400 × 400 brackets.



Touch and interactive builds

Touchscreen LED sphere

A 360 degree LED sphere guests spin and explore by touch.

Touchscreen LED wall

A giant LED wall guests walk up and touch, run with content built around your brand.

AI selfie mosaic wall

Guests take a photo, pick a look, and their portrait joins a mosaic on the LED wall.

Immersive selfie wall

Fine-pitch curved LED for photo and selfie moments on the floor.

LIGHTING

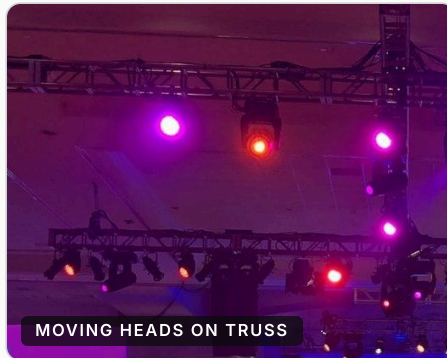
Lighting we carry

Moving heads, washes, spots and effects, plus the consoles that run them.

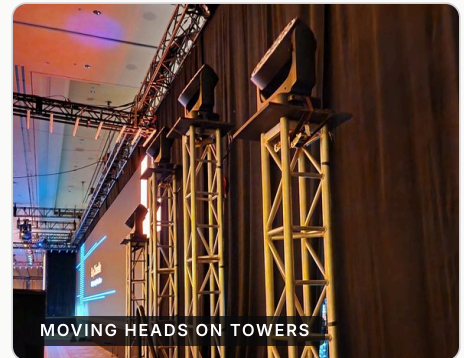
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STAGE LIGHTING



MOVING HEADS ON TRUSS



MOVING HEADS ON TOWERS

ITEM	BRAND	KEY SPEC
CONSOLES AND CONTROL		
Tiger Touch II and Quartz style consoles	TLL in-house	Full-size and compact touchscreen desks; DMX outputs and Art-Net
Compact console and USB interface	ChamSys MagicQ MQ50, MagicDMX	6 universes with 4 DMX outputs; USB to DMX for a laptop
Small consoles for smaller projects	TLL in-house	12 to 192 channels; the larger ones store scenes and chases
Wireless DMX	City Theatrical Multiverse SHoW Baby	Wireless DMX transceivers; each one sends or receives a full universe on 2.4 GHz
DMX splitters	TLL in-house	1 in, 8 out signal amplifiers
MOVING HEADS		
Beam / Spot / Wash Moving Head, 371W	TLL in-house	Beam, spot and wash in one; 371 W lamp
Beam / Spot / Wash Moving Head, 600W	TLL in-house	Beam 0 to 2.2°, spot 1.6 to 15°, wash 4 to 21°
Profile Moving Head with Framing, 35,000+ lm	TLL in-house	Beam, logo, wash and framing shutters; zoom 8 to 50°
Wash Moving Head, 800W	TLL in-house	19 × 40 W RGBW LEDs; 2500 to 8000 K
Wash Moving Head, 710W	TLL in-house	Zoom 4 to 60°; DMX and Art-Net
Wash Moving Head, 300W	TLL in-house	300 W wash
WASHES, PARS AND UPLIGHTS		
LED Wash / Par with Zoom, 190W	TLL in-house	190 W; 2700 to 8000 K; electronic zoom
Outdoor LED Par, 12 × 12W	TLL in-house	12 × 12 W RGBWA+UV; 25 or 40° beam; IP65
LED uplights and wash bars	TLL in-house	36 W RGB uplights; 120 W bars, RGB plus warm and cool white; 15 W mini COB pars
SPOTS AND FOLLOW SPOTS		
LED Profile Spot, 200W COB	TLL in-house	200 W COB; 26° fixed; 5600 K; CRI 90+
LED Fresnel Spot, 380W	TLL in-house	5600 K; zoom 15 to 60°; barn doors
Manual Follow Spot, 80 m Throw	TLL in-house	350 W; 10 to 15° beam; throws up to 80 m
EFFECTS		
LED Strobe, 1250W	TLL in-house	10 strobe sections plus 40 backlight sections; DMX, Art-Net, sACN
Outdoor Logo / Gobo Projector, 16,500 lm	TLL in-house	Projects a logo or pattern; 160 W LED; IP67
LED STRIP		
Addressable LED pixel strip	TLL in-house	Addressable LEDs, controlled pixel by pixel over Art-Net, in 5 m reels
Pixel-mapping controllers	Advatek PixLite A4-S Mk3, E16-S Mk3	4 and 16 outputs for pixel strip, up to 24 or 96 universes

AUDIO

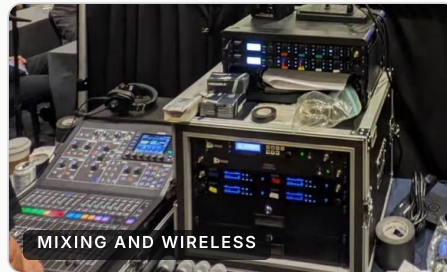
Audio we carry

Consoles, speakers, a line array, mics and crew comms.

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FRONT OF HOUSE



MIXING AND WIRELESS



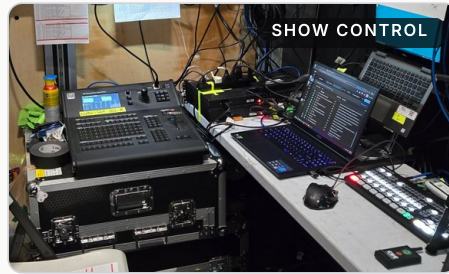
SHURE WIRELESS KIT

ITEM	BRAND	KEY SPEC
CONSOLES AND RECORDING		
Digital consoles	Behringer X32, X32 Compact, X32 Rack; Midas M32R	40 input channels with 16 or 32 mic preamps; the rack version runs from a tablet
Touchscreen digital console	Yamaha DM3 Standard	22 mixing channels, 16 mic and line inputs, 9 in touchscreen
Analog mixers	Yamaha MG06X, MG10XUF, MG12XU; Mackie ProFX10v3	6 to 12 inputs with built-in effects; USB audio on the 10 and 12 input models
Podcast and recording	RØDE RØDECaster Pro II; Zoom R20	4-mic podcast console with multitrack USB recording; 16-track recorder
SPEAKERS AND MONITORS		
Compact speakers	Meyer Sound UPM-1P, MM-4XP	Self-powered dual 5 in; 4 in miniatures in black or white
8 in powered speaker	QSC CP8	Two-way, 1000 W peak; doubles as a floor monitor
10 in powered speakers	QSC K10.2; Electro-Voice ELX200-10P	Two-way; 2000 W peak, or 1200 W in white
12 in powered speakers	QSC K12.2, CP12	Two-way; 2000 W or 1000 W peak
15 in coaxial speaker	TLL in-house	Full-range coaxial
Subwoofers	TLL in-house	12 in at 1000 W and 18 in at 2400 W
Line array	TLL in-house	10 in array boxes and dual 15 in array subs; flown or ground-stacked, with amp and processor racks
In-ear and studio monitors	Shure PSM300; KRK Rokit 5	Wireless stereo in-ears; 5 in powered studio monitors
Ceiling and install speakers	JBL Professional CSS8018, CSS-1S/T, Control 1 Pro	8 in ceiling speakers; compact two-way, 70 V, 100 V or 8 ohm
MICROPHONES		
Digital wireless handhelds	Shure QLX-D, ULX-D, SLX-D	SM58 heads; digital UHF; single and dual-channel receivers
Complete wireless mic kits	Shure QLX-D, ULX-D	Receiver, SM58 handheld, bodypack, lavalier and headset in one case, one mic live per receiver; dual-receiver kits too
Wireless lavaliers and headsets	Shure QLX-D and ULX-D bodypacks; Shure TwinPlex TH53	Lavalier, dual-ear and omni headset mics
Wired mics	Shure SM7B, MX412D/C	Broadcast mic with boom arms; 12 in gooseneck podium mic
Antennas and RF	Shure UA874, UA844+SWB; RF Venue Distro4	Active directional antennas; antenna and power distribution
PLAYBACK AND DI		
DI boxes	Radial Engineering ProAV1, ProAV2, USB-Pro, BT-Pro v2	Mono, stereo, USB and Bluetooth into XLR
Interfaces and processing	Focusrite Scarlett 4i4; dbx AFS2; ART HeadAmp 6	USB audio, 4 in and 4 out; 2-channel feedback suppressor; 6-way headphone amp
Headphones	Audio-Technica ATH-M50x, ATH-M20xBT; Shure SRH840A; Sony RF400	Closed-back studio headphones; Bluetooth and RF wireless sets
CREW COMMS		
Wireless crew intercom	Hollyland Solidcom M1	DECT, full duplex; kits of 8 beltacks with single-ear headsets
Wireless crew intercom	ikan Livecom 1000	DECT, full duplex; a base station with 4 beltacks and headsets
Two-way radios	Midland and TLL in-house	Walkie-talkies with earpieces

Video switching and processing

LED processors and senders, live switchers, converters, recorders and playback.

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ITEM	BRAND	KEY SPEC
LED PROCESSING AND CONTROL		
Wide-wall LED processor	Magnimage LED-W4000	One canvas up to 8192 px wide from 4 outputs; genlock
LED processor, 4 outputs	Magnimage LED-780H	Up to 8 inputs; 4 outputs into one wall, up to 8 million pixels
LED scalers	TLL in-house	Up to 3840 × 1920 on the main scalers; picture in picture
All-in-one LED controllers	NovaStar VX4S, VX6s, VX600	Scaler and sender in one box; 4 or 6 Gigabit outputs
LED sending controllers	NovaStar MCTRL4K, MCTRL600, MCTRL660, MCTRL300	2 to 16 Gigabit outputs; the MCTRL4K takes 4K60 and runs up to 7680 px wide
Fiber converter	NovaStar CVT4K-S	Carries a 4K controller's 16 outputs over 10G fiber for long runs
LIVE EVENT SWITCHING AND MONITORING		
4K event switchers	Magnimage MIG-EC90, MIG-EC80	8 inputs at 4K60, up to 12 with expansion cards; canvas up to 8704 × 2176 (EC90) or 4352 × 2176 (EC80); genlock
Live production switcher	Blackmagic Design ATEM SDI Extreme ISO	8 SDI inputs at 1080p60; records every input; streams
Compact live switchers	Blackmagic Design ATEM Mini Pro, Mini Pro ISO	4 HDMI inputs at 1080p60; streams over Ethernet; records to USB-C
HDMI video mixer	TLL in-house	4 HDMI inputs with a built-in touchscreen; USB streaming out
Multiviewers	Blackmagic Design MultiView 16, MultiView 4	16 or 4 SDI sources on one monitor
CONVERSION AND DISTRIBUTION		
SDI and HDMI converters	Blackmagic Design Micro Converter BiDirectional 12G, Mini Converter UpDownCross HD; Decimator MD-HX	HDMI to SDI and back up to 2160p60; up, down and cross conversion; scaling
Audio embedder	Blackmagic Design Teranex Mini Audio to SDI 12G	Adds 2 analog or 4 AES audio channels to the SDI feed
HDMI switchers and splitters	TLL in-house	8K and 4K60 switchers with 2 to 5 inputs, a 3 × 2 matrix, splitters to 2, 4, 8 or 16 screens
HDMI extenders	TLL in-house	Over Cat cable to 100 or 200 ft; 1080p to 400 ft
CAPTURE, STREAMING AND RECORDING		
USB capture	AVerMedia and TLL in-house	HDMI or SDI at 1080p60; HDMI 2.1 at 4K60
Streaming encoder	Blackmagic Design Web Presenter 4K	12G-SDI in; streams up to 2160p60
Recorders	Blackmagic Design HyperDeck Studio 4K Pro, Video Assist 7 in 12G HDR	Records up to 2160p60 to SD cards or a USB-C drive; 7 in monitor-recorder
PLAYBACK		
Media servers	TLL in-house	Built by us; our top servers run two graphics cards each (NVIDIA RTX A4000 or RTX 5080) for up to eight outputs
Signage players	BrightSign XC4055, XC2055, XT1145, XD1035, LS445	8K players with 2 or 4 outputs; 4K and compact single-output players
Streaming and loop players	Apple TV 4K, NVIDIA Shield, TLL in-house	4K output
CAMERAS		
PTZ cameras	TLL in-house	SDI pan, tilt and zoom cameras with a joystick controller
Action cams and webcams	GoPro; TLL in-house webcams	Action cameras; 4K USB webcams

The figures above are per unit. Higher resolutions and bigger canvases are possible with custom processing setups, so ask us about large walls.

PROJECTS

Shows we've built

A few recent builds. Full case studies are at www.tllrentals.com/projects.



LexJet at Printing United

Printing United · Orlando, FL · 2025

Two LED rings rigged back to back, four flown walls, a floating LED sphere and an LED counter, all on one synchronized 360° canvas.



Whirlpool at KBIS

KBIS · Orlando, FL · 2026

Five LED systems for four brands in one booth, from a P1.5 walk-through tunnel to curved P1.9 walls, plus audio, network and crew.



TCL at CES

CES · Las Vegas, NV · 2026

Five hanging P2.6 LED walls over the entrance, about 121 ft end to end and playing as one picture, plus a live-production stage.



Taiwan Expo USA

Taiwan Expo USA · Dallas, TX · 2025

A main-stage LED wall, stage lighting and a crew that ran the show for all three days.

Get your customized quote

Send us the show, the dates and what you have in mind. We spec it and send your customized quote. Pre-staging available on request.

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LOCATIONS

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