



INFILED

Screen your dreams



BLACK WIDOW **AMT**[®]

DYNAMIC RESOLUTION 3.9MM TO 7.8MM | TRANSPARENT 7.8MM

**A compact touring system offering
dynamic and transparent modes.**

RENTAL | CORPORATE | STAGING

ONE SCREEN. TWO EXPERIENCES.

LED displays transcend content — they shape how space is experienced. Black Widow AMT brings that vision to life with precision engineering and a multipurpose design. One system, multi-use: solid panels 3.9 (dynamic to 7.8) and 4.6, transparent mesh 7.8, and LED floor option - ready to adapt seamlessly to any creative concept.

Featuring advanced Jet Black LED chips, 16-bit grayscale, and a 7680Hz refresh rate delivering striking contrast and vivid imagery in challenging lighting conditions. perfect for dominating high-visibility settings.



◆ Applications

From Rental, Touring and Corporate, Black Widow AMT empowers creators to build with precision, deploy with speed, and adapt effortlessly.

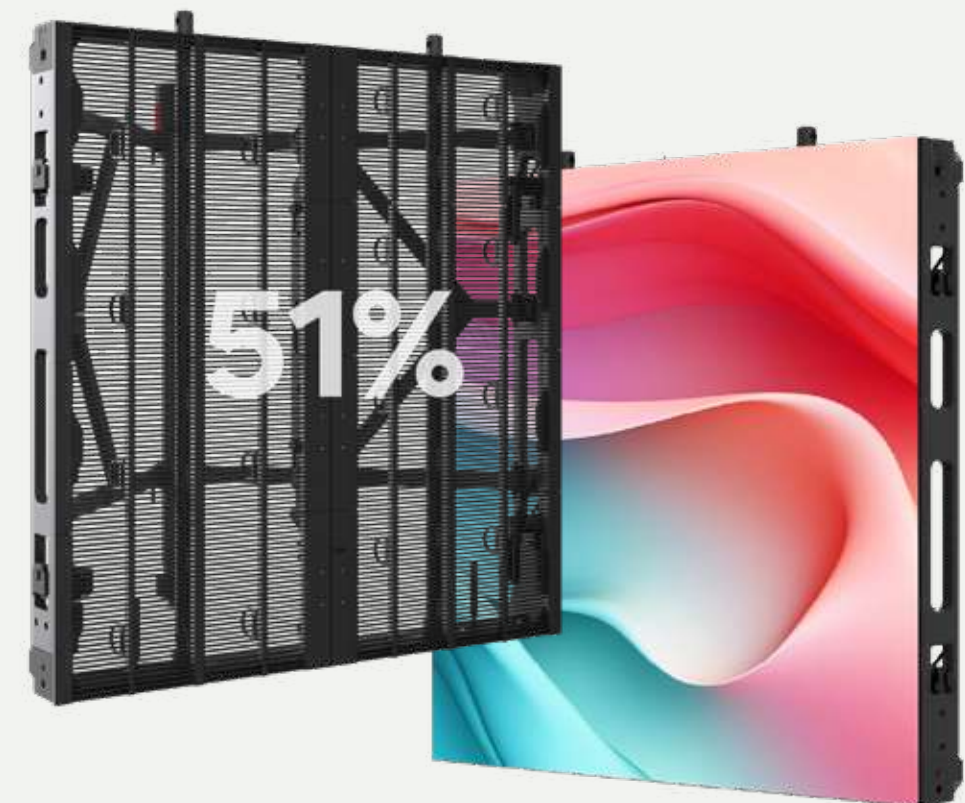
- Ultra Transparent Staging Application
- Creative Mesh and Solid Application
- Large Format Outdoor Projects
- Large Format Indoor Corporate High Resolution Projects
- Weight Critical Indoor and Outdoor Projects
- Time critical Touring projects
- LED Video Stage floor

◆ Mesh for Transparency. Solid for Impact.

- The Black Widow AMT uses a carbon fiber frame with interchangeable modules.
- The dynamic resolution panel converts the 3.9mm solid panel into a 7.8 pixel pitch. Also available are the solid 4.6mm and mesh 7.8mm.
- Also the range offers a dedicated 7.8mm transparent model with 51% transparency, with a unique triangular module layout, allowing high transparency and a clear vibrant image.

MESH FOR HIGH-TRANSPARENCY

SOLID PANEL FOR FULL-SURFACE



ON THE ROAD AGAIN: ENGINEERED FOR REAL-WORLD TOURING CONDITIONS

Built for the road, Black Widow AMT features a lightweight, climbable carbon fiber frame—four times larger than standard for faster builds. Touring carts enable quick panel setup and teardown, while a collapsible wind brace adds stability for structures up to 26 meters high and wind speeds up to 20 m/s. This smart, rugged design is made for high-demand touring environments.

◆ **Dynamic Resolution Module**

Effortlessly switch between P3.9 / P7.8 configurations through software — keeping the same frames and PDUs for fluid project transitions.



◆ **Transparent Module (only 7.8mm)**

51% transparent modules, designed to fit the same frame.



◆ **JetBlack High Contrast**

- All feature a jet black face with high-contrast LEDs for vibrant performance.
- High contrast ratio, 16-bit grayscale, and a 7680 Hz refresh rate deliver deep blacks, fine detail, and cinematic motion.

◆ **Wind-Resistant Foldable Frame**

Optional frame withstands winds up to 20 m/s and doubles as a service ladder, enhancing both safety and efficiency.



◆ **Lightweight Multi-use Touring Frame**

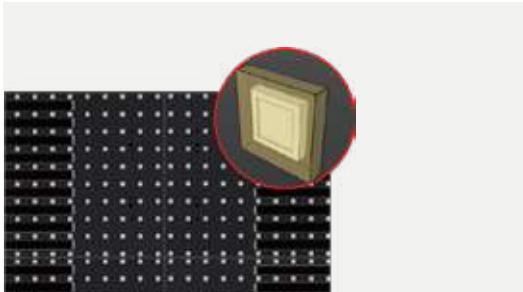
The carbon fiber touring frame is both lightweight and climbable, while reinforced modules with integrated collision strips and advanced gluing techniques protect against static, moisture, dust, and mildew.

- Maximum rigging height of up to 26 meters.
- Maximum stacking height of up to 18 meters.
- Total weight of 23.4kg without the removable wind brace
- Total weight of 29kg with removable wind brace.



◆ **Hard Glue**

INFiLED's proprietary sealing process protects five sides of each LED, maintaining brightness, color, and viewing angles with lasting resilience.



◆ **All-Weather & Fire-Safe**

IP65-rated on both sides and UL94-V0 compliant — ready for any stage, indoors or outdoors.



◆ **Adjustable Curvature**

Integrated curving system supports concave and convex installation at 0°, ±2.5°, ±5°, ±7.5°, and ±10°, giving designers freedom to shape truly dynamic screens.

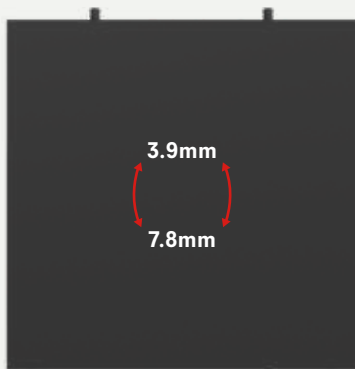
SEAMLESS ADAPTATION TO ANY CREATIVE VISION

Black Widow AMT redefines adaptability — seamlessly shifting between pixel pitches and panel types to meet every creative demand with precision, efficiency, and visual consistency.

◆ **Dynamic Resolution Operation**

With Dynamic Resolution, the Black Widow AMT shifts between 3.9mm for sharp detailed visuals and 7.8mm for efficient large scale displays through software, with no module swap required.

This flexibility lets one system handle both high-detail content and cost-effective big-screen applications, reducing the need for separate inventories. The jet black face LED technology provides deep contrast and rich blacks, delivering striking imagery even at lower brightness levels.



EFFICIENCY AND SPEED

Streamlines setup and teardown, reducing the need for multiple LED inventories and simplifying transitions between rehearsals, soundcheck, and showtime.

CONSISTENT VISUAL QUALITY

Both resolutions maintain calibration integrity, delivering uniform color accuracy and contrast when switching modes.

ADAPTABILITY ACROSS VENUES

Shift between 3.9mm and 7.8mm pixel pitches through software control, tailoring visuals from close-up camera work to large-scale impact.

◆ **White face LEDs vs Black face LEDs**

In particular, the LED stage background screen, due to the numerous colors of projection lights and staggered light and shadow in the stage environment, but due to the above characteristics of black lights, it can avoid the mutual interference of light emitted by various light sources on the stage, so that the stage LED display screen can still clearly see the image on the display screen in the stage environment with serious reflection.



◆ **Transparent LED Modules**

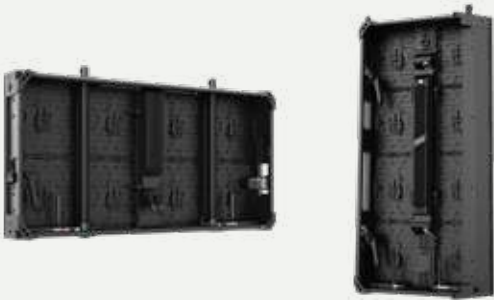
Black Widow AMT supports dedicated 7.8mm transparent LED modules, offering 51% transparency for creative staging and architectural use.

Weighing just 20.4 kg/m², these lightweight panels preserve airflow, light, and sightlines while delivering vivid visuals.

With a jet-black face and high-contrast LEDs, they produce sharp, clear images that blend effortlessly into open environments where visibility matters.

◆ **Multiple Panel Sizes**

The Black Widow AMT solid panels open up a variety of creative possibilities, offering designers the flexibility to experiment with structure, composition, and visual balance.



BW-V (PORTRAIT)

Refine your display with the 500×1000 mm vertical half-panel—designed for balanced proportions and greater layout flexibility.

BW-H (LANDSCAPE)

Choose the 1000×500 mm horizontal half-panel for seamless alignment and flexible, wide-format display layouts.

BW-90 (90° PANEL)

Choose the 90° panel for your corner installations

MINI

The mini panel size of 500x500mm.

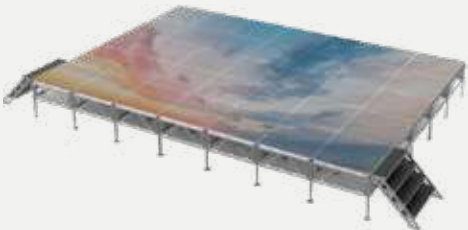


EFFICIENCY ON AND OFF STAGE

Engineered for the fast pace of touring and large-scale builds, Black Widow AMT delivers performance from setup to transport. Touring carts enable quick panel handling, while the collapsible wind brace ensures stability.

◆ **LED Deck Modules**

Create an LED Deck rolling stage for arena shows is designed for rapid deployment and maximum efficiency, allowing pre-assembly backstage and rolling into position in minutes.

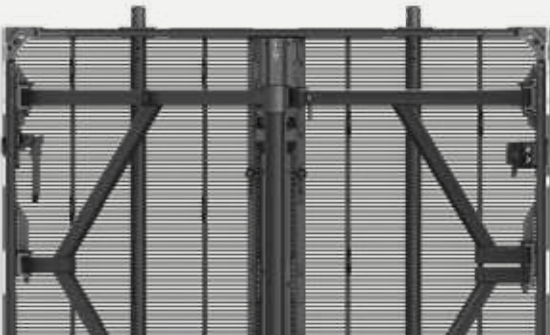


Built with heavy-duty casters and high load capacity, it supports full production elements such as LED screens, backline, and automation. The stage decks are built with Black Widow AMT, transforming the platform into a dynamic visual surface synchronized with show content.

Modular and height-adjustable, the rolling stage locks seamlessly into the main deck using precision alignment systems, ensuring stability and safety. Ideal for tight changeovers, it reduces setup time, minimizes labor, and optimizes truck pack and storage efficiency, making it a top choice for high-production touring.

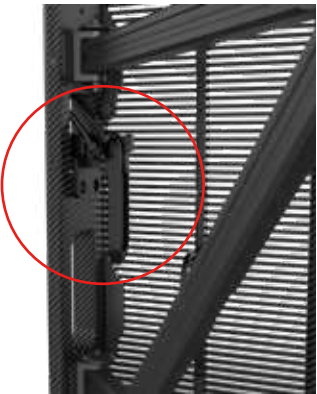
◆ **Scalable Height**

Dual carbon tubes reinforce structure for stacked or hung setups up to 26 meters.



◆ **Precision Alignment**

Vertical positioning columns and side hasp locks ensure flawless cabinet alignment.



◆ **Intuitive Maintenance Access**

Rear-access modules and tool-free control unit removal enable rapid servicing.



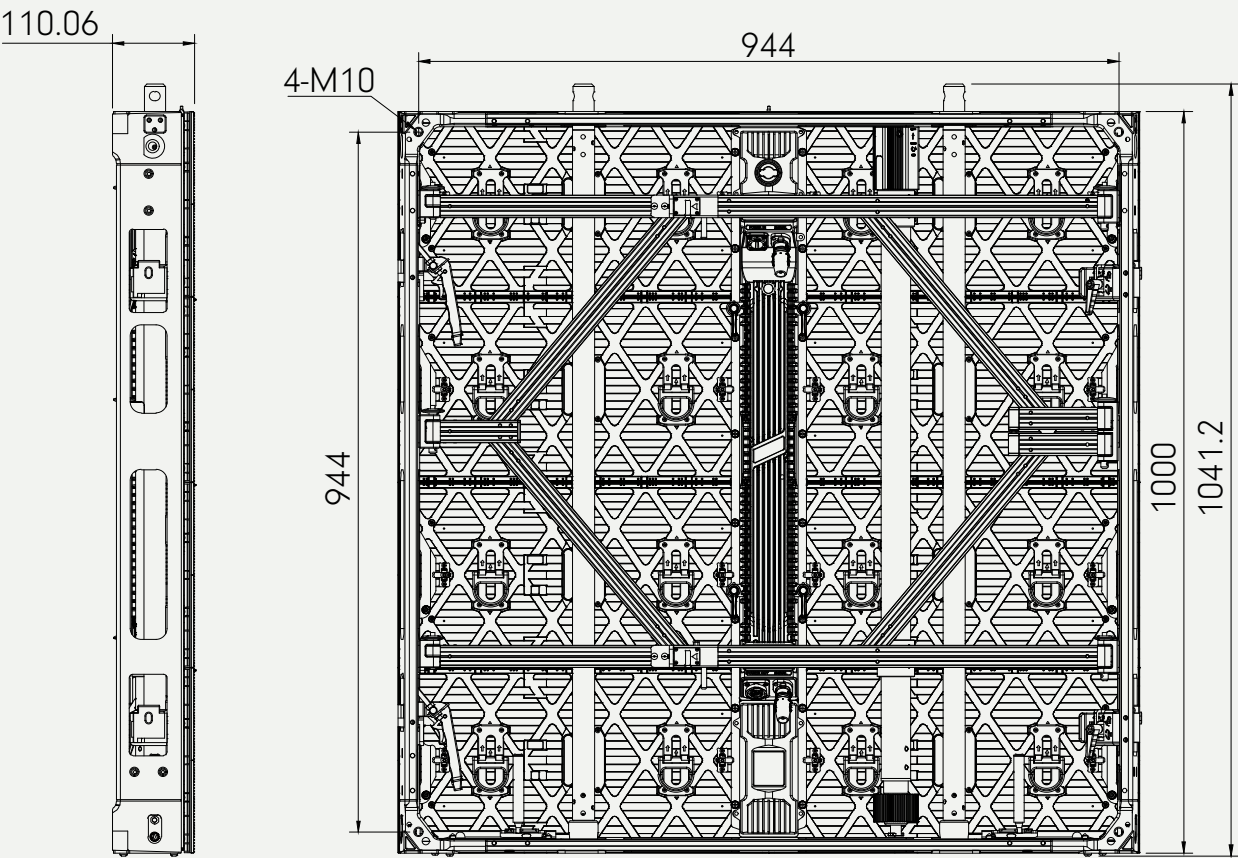
◆ **Touring-Optimized Transport**

The 10-in-1 and 5-in-1 stackable dolly secures cabinets and fits standard containers — saving both time and space.



When weight and pack density matter, the Black Widow AMT dominates. It delivers 30% more LED (440sqm) per truck and cuts over 11,500 lbs/ 5216kg compared to the other touring systems cutting down on transport costs, labor, and load-in time.

SPECIFICATIONS



Black Widow AMT Specification

General Information	Model Number	IL-RSS-ORBW3.9 (Solid)	IL-RSS-ORBW4.6 (Solid)	IL-RSS-ORBW7.8 (Mesh)
	Pixel Pitch	3.91mm / Dynamic: 7.8mm	4.63mm	7.81mm
Physical Parameter	Physical Density	65,536 pixels/m ² / Dynamic: 16,384 Pixels /m ²	46,656 pixels/m ²	16,384 pixels/m ²
	LED Arrangement	3 IN 1 SMD	3 IN 1 SMD	3 IN 1 SMD
	Module Dimensions (W x H, mm)	500x250x12mm (19.69x9.84x0.47in)	500x250x12mm (19.69x9.84x0.47in)	500x250x12mm (19.69x9.84x0.47in)
	Module Resolution (W x H)	128x64 pixels / Dynamic: 64x32 pixels	108x54pixels	64x32pixels
	Cabinet Dimensions (mm, inch)	1000x1000x110mm (39.37x39.37x4.25 in)	1000x1000x110mm (39.37x39.37x4.25 in)	1000x1000x110mm (39.37x39.37x4.25 in)
	Cabinet Resolution	256x256 pixels / Dynamic: 128x128 pixels	216x216 pixels	128x128 pixels
	Cabinet Weight (Unit case/Square meter)	without wind brace: 23.4kg (51.59lb) with wind brace: 29kg (63.93lb)	without wind brace: 23.4kg (51.59lb) with wind brace: 29kg (63.93lb)	without wind brace: 20.7kg (45.64lb) with wind brace: 26.3kg (57.98lb)
	Transparent Ratio	0%	0%	51%
Optical Parameter	Brightness (After Calibration)	4000nits / Dynamic: 2500nits	4000nits	3600nits
	Viewing Angle	160°/160°	160°/160°	160°/160°
Power Supply	Max. Power Consumption(W/Unit)	660W/Panel / Dynamic: 570W/Panel	660W/Panel	720W/Panel
	Avg. Power Consumption(W/Unit)	220W/Panel / Dynamic: 190W/Panel	220W/Panel	240W/Panel
	Operating Power Source	100-240V AC 50-60Hz	100-240V AC 50-60Hz	100-240V AC 50-60Hz
Control System	Refresh Rate	7,680Hz	7,680Hz	7,680Hz
	Signal Input Source	DVI, HDMI, DP, SDI	DVI, HDMI, DP, SDI	DVI, HDMI, DP, SDI
Operation Conditions	Operating Temperature	-20°C--+50°C	-20°C--+50°C	-20°C--+50°C
	IP Rating (Front/Rear)	IP65	IP65	IP65
	Certification	CE, ETL, FCC, RoHS, WEEE	CE, ETL, FCC, RoHS, WEEE	CE, ETL, FCC, RoHS, WEEE

The product specifications can be customized.

RENTAL | DOOH

PIXEL PITCH	3.91mm, 4.63mm, 7.81mm
BRIGHTNESS	2500 - 4000 nits
CABINET SIZE (WxHxD)	1000 x 1000 x 110 mm
IN/OUT	OUTDOOR

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CHINA | SPAIN | NETHERLANDS | GERMANY | UAE | US | JAPAN | MALAYSIA | SINGAPORE | SOUTH KOREA |
AUSTRALIA | NEW ZEALAND | COLOMBIA | INDONESIA | UK | FRANCE | SAUDI ARABIA | QATAR | BRAZIL



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