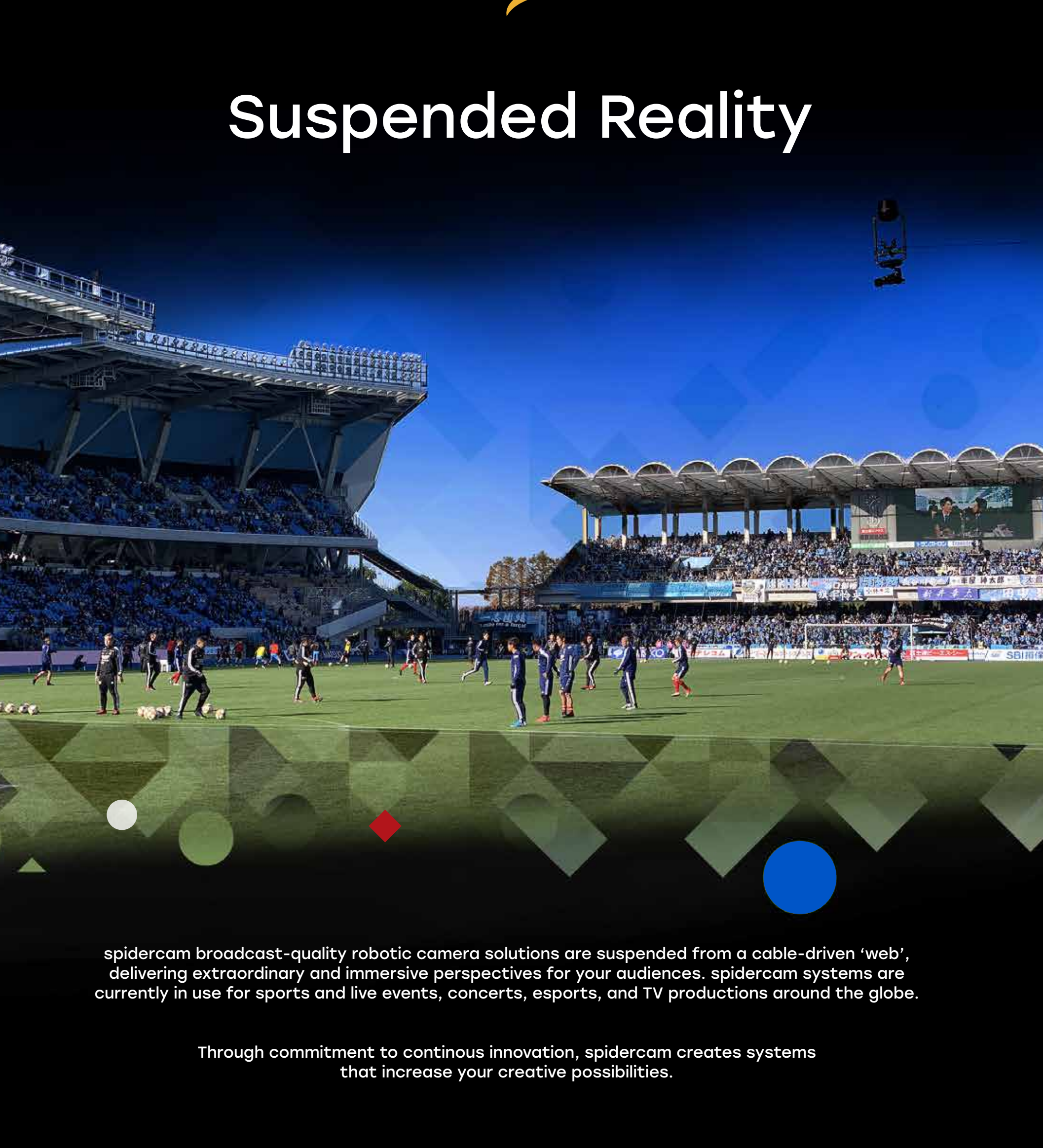
spidercam

Suspended Reality



spidercam broadcast-quality robotic camera solutions are suspended from a cable-driven 'web', delivering extraordinary and immersive perspectives for your audiences. spidercam systems are currently in use for sports and live events, concerts, esports, and TV productions around the globe.

Through commitment to continous innovation, spidercam creates systems that increase your creative possibilities.

Versatile
Adaptable to any venue

Safe
Unparalleled safety and quality

Revolutionary
Enables otherwise impossible shots

System Scalability

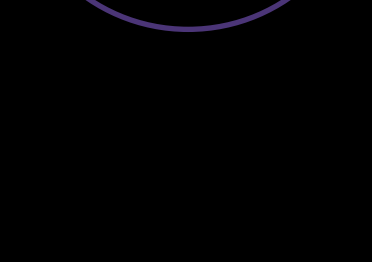
Consists of several components including Winches & a Dolly to support the different applications.

Winch Solutions

Featuring powerful drive systems along with synthetic catenary cables with fiber inlay for full scalability – supporting both 2D and 3D setups.

Dolly Solutions

Equipped with cutting-edge features including 4K support, a 3-axis gyro-stabilized remote head, and AR tracking protocols. Compatible with major gimbals and optional accessories for customization.

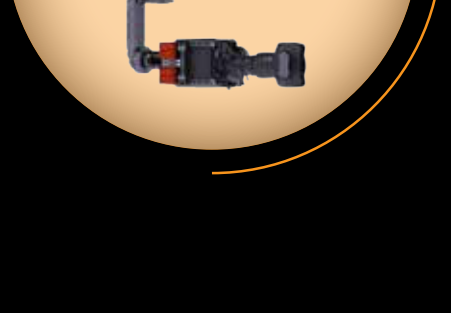


spidercam MINI

- Coverage of 60m x 60m
- Speed with X Dolly of up to 3m/s
- Suitable for small studios, venues & HoW

spidercam X Dolly

- Ability to go higher due to compact size and weight



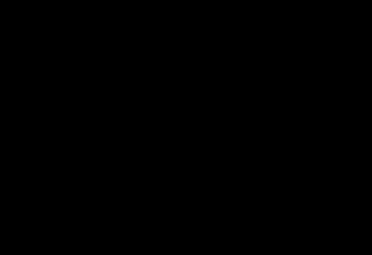
spidercam PRO

- Coverage of 90m x 90m
- Speed with X Dolly of up to 6m/s or with Y Dolly up to 9m/s
- Suitable for mid to large studios, theatres & smaller external venues

spidercam Y Dolly

- Ability to provide faster speeds, more dynamic and stable* shots

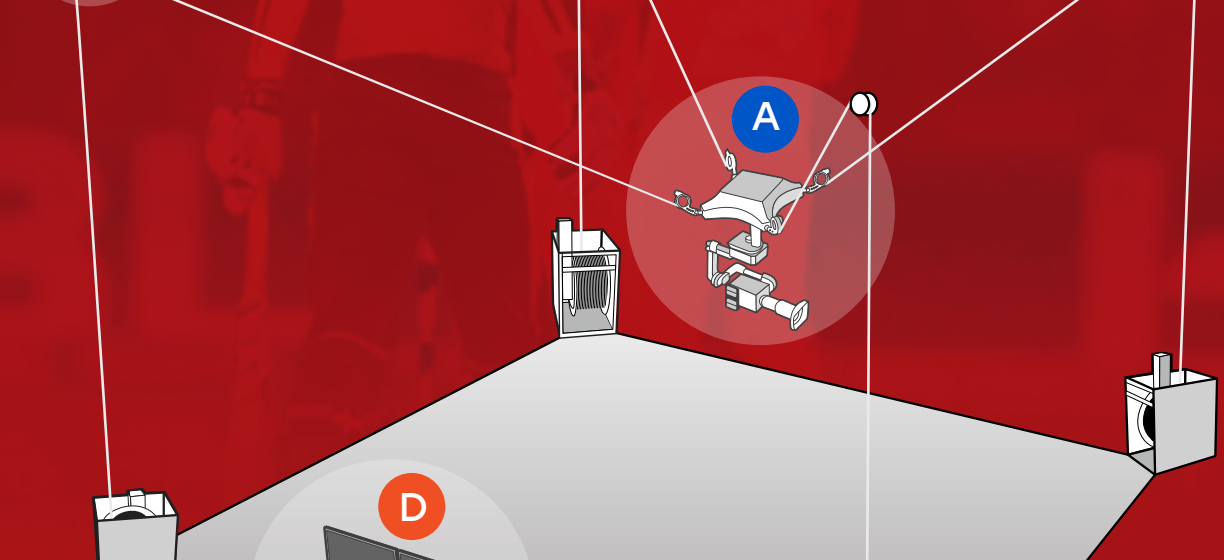
*due to additional stabilisation



spidercam ELITE

- Coverage of 250m x 250m
- Speed with X Dolly of up to 6m/s or with Y Dolly up to 9m/s
- Suitable for large arenas, venues & stadiums

The Setup



A Dolly
A dolly is the camera transport platform. The gimbal enables free angle orientation to capture the action from any position.

B Winches
The winch through shortening or lengthening the cable, will move the dolly around the area.

C Catenary Cables & Pulleys
The available length of the catenary cables and pulley positions define the maximum operating area.

D Control Station
From the control station, the pilot and camera operator are able to manage all system activities.

Unparalleled Safety

Every system underdoes **80 hours** of testing.
EQUIVALENT TO LISTENING TO MOZART'S A LITTLE NIGHT MUSIC 875 TIMES.

Assembly

REDUNDANT BRAKES, EMERGENCY STOP, SAFE STATE

Safety is a top priority in all components, including redundant brakes that require power to open. The system is designed to immediately stop and securely holds the dolly in place in the event of power loss, issues or emergencies.

Testing

R&D DEPARTMENT, REGULAR MAINTENANCE

The system undergoes rigorous testing during design, including motor torques, brake loads, and sensor checks. Annual maintenance further ensures ongoing safety during the spidercam's lifetime.

In 2022, the length of cables tested equated to a distance of over **6000km**
THE DISTANCE FROM PARIS TO WASHINGTON DC.

Logistics

STURDY DESIGN, MECHANICAL SAFETY DIMENSIONS

spidercam systems are built sturdy and strong to endure harsh transport conditions. Components are dimensioned to meet high safety factors, offering resilience against the forces encountered during operation.

Installing

SETUP ONSITE

spidercam relies on robust cables to enable smooth and safe dolly movement. Through ongoing R&D, we enhance cable quality, conducting rigorous tests and regular replacements.

A single standard spidercam catenary cable can hold approx **12kN**
ENOUGH TO LIFT A COMPACT CAR!

Interconnection

SAFETY SENSORS

spidercam components communicate and exchange safety information through constant sensor reporting, enabling prompt responses to anomalies.

In over **20 years** no brake malfunction. They stopped everytime when needed without failure
NO BREAK FOR BRAKES!

Operation

SOFTWARE: BORDERS, OBSTACLES

During operation, the pilot is responsible for the system while our software assists with safe system borders and customizable no-fly zones.

Certifications

The requirements of the DGUV-17 are adhered to and are a major influence during the system's design and initial construction.

To maintain the safety of the spidercam, every system undergoes a detailed annual inspection by spidercam engineers. All parts that are prone to wear and tear are changed at regular intervals in accordance with the maintenance and service schedule.

Experience you can trust

As the market leader for over 23 years, **spidercam** is relied on globally for sports, concerts, events, TV-shows and more.

Featured projects: a glimpse of our work

Sports
- Olympic Games
- Football World Cup
- ICC Cricket Tournament
- Rugby World Cup
- US Open

Concerts
- Metallica World Tour
- Beyonce World Tour
- Bad Bunny
- Madonna
- U2

Events
- The Academy Awards (Oscars)
- MTV Video Music Awards
- gamescom
- Country Music Awards Festival
- The BRIT Awards

TV Shows
- Ninja Warriors
- Dancing with the Stars
- American Idol
- Sesame Street
- Australia's Got Talent

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