

---

# SPIDERCAM® SC250 FILM FEATURES AND SPECIFICATIONS

The **spidercam**® SC250 Film is the first choice cable in suspended aerial camera systems for Feature Film and Commercial productions. The increased payload allows the mounting of 35mm cameras, as well as various digital camera options. It can be operated both indoors and outdoors and produces close-ups, as well as a bird's eye views of any action.

## 1. FEATURES

- Flying area of 250m x 250m (820ft x 820ft)
- Top speed of up to 6.5m/s (14.5mph)
- Silent operation / noise generation of winches less than 45db
- Various camera options allow 35mm or digital output
- Interference-free data communication via glass fiber for digital cameras
- Mechanical safety: All components can withstand at least 10x the stress that occurs during normal operation
- Electronic safety: The winches and control station have both individual and linked safety protocols that constantly check the system for errors
- Modular, mobile components allow quick setup and strike procedures
- Comfortable and intuitive operation

## 2. SPECIFICATIONS

### 2.1. CONTROL STATION

- The control station allows a team of two (three with assistant operator) complete control of all necessary system functions and controls
- The **spidercam**® software "FlyIt" is easy to learn and offers access to all relevant settings
- The joystick layout for pilot and camera operator are modeled to industry standards to allow familiar handling
- Safety protocols operate in the background continuously to ensure the system is operating safely

### 2.2. INTERCONNECTIONS

The control station and winches communicate with each other via glass fiber. This allows interference-free real time communication.

## 2.3. CATENARY CABLES

Specially developed aramid cables with integrated fiber hold and move the dolly.

- Can withstand 12,000N of force – more than 10x the force occurring during normal operation
- Retains most of its strength at temperatures ranging from -40°C to +100°C (-4°F to 212°F)

## 2.4. WINCHES

Four winches control the dolly movement by winding and unwinding the catenary cables.

- Mounted on wheels for easy relocation
- Independent internal safety protocols
- Each Winch holds up to 350m of catenary cables
- Winch dimensions: 148cm x 88cm x 87cm (58in x 34,5in x 34in)
- Winch weight: 315kg (694lbs)

## 2.5. PULLEYS

The pulleys deflect the catenary cables from the winch to the dolly.

- Can be mounted to existing roof structures, light posts or cranes
- Joints and bearings allow the Pulley to smoothly deflect the cable in any direction

## 2.6. DOLLY

The dolly carries the camera and lens in its remote head.

- Gyro-stabilized
- Endless pan
- Tilt: +90° to -100°
- Can be equipped with a microphone
- Can be equipped with a moderation light
- Battery Runtime: up to 8 hours
- Dimensions: h x w x l: 160cm (with top hat) x 58cm x 58cm
- Weight: 26kg (excluding camera and lens)

### 2.6.1. CAMERAS (FURTHER MODELS ON REQUEST):

- Arriflex 235
- Red One
- Sony PMW-F55

### 2.6.2. LENSES:

- as per client specification