
BOWCAM

FEATURES AND SPECIFICATIONS

The **Bowcam** is the broadcast industry's first choice in cable suspended aerial camera systems for large arenas, stadiums or event halls where a full 3D-Setup isn't possible. The **Bowcam** will travel along a point-to-point path, but with the added advantage over other systems of being able to alter its height freely.

1. FEATURES

- Point-to-point distance of 170m (557ft)
- Can fly at ground level or high in the air
- Top speed of up to 9m/s (20mph)
- Fully stabilized remote head with roll-axis
- Silent operation / noise generation of winches less than 45db
- Various video formats (depending on camera), e.g. 1080p60, 4K
- Interference-free data communication via glass fiber
- Mechanical safety: All components are designed to 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 to have 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

Two winches, each holding two catenary cables, control the dolly movement by winding and unwinding the cables.

- Mounted on wheels for easy relocation
- Independent internal safety protocols
- Each winch holds up to 2x 210m (689ft) of catenary cable
- Winch dimensions: 163cm x 90cm x 90cm (64in x 35in x 35in)
- Winch weight: 340kg (750lbs)

2.5. PULLEY-CRADLES

The Pulley-cradles 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°
- Roll axis
- Can be equipped with a microphone
- Can be equipped with a moderation light
- Battery runtime: Up to 8 hours
- Dolly Dimension: 76cm x 69cm x 60cm / 30in x 27in x 23,5in
- Dolly Weight: 30kg / 66lbs (including camera and lens)

2.6.1. CAMERAS (FURTHER MODELS ON REQUEST):

- Panasonic AK-HC1500
- Panasonic AK-HC1800
- Sony HDC-P1
- Sony PMW-F55

2.6.2. LENSES (FURTHER MODELS ON REQUEST):

- Canon HJ14ex4,3B