

# SkyCaster™

The remote controlled tethered drone solution



## A Permanently Installed Tethered Drone

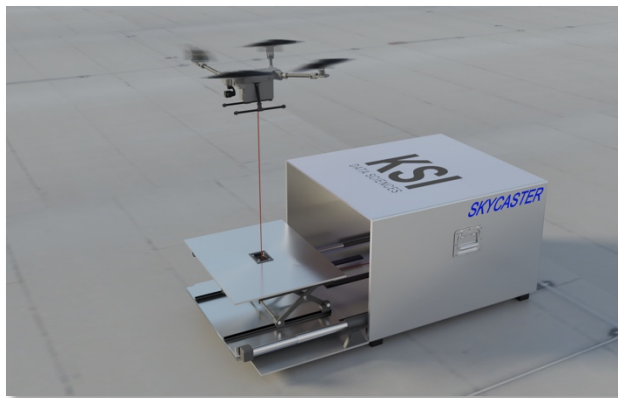
SkyCaster™ is built with one thing in mind. Give first responders an aerial view of an unfolding emergency before they arrive on scene. It is designed to be permanently installed onsite where once launched it can deliver a secure live view of the campus or facility in near real-time. The video feed is viewable by an almost unlimited number of simultaneous viewers on any device with an internet connection from anywhere in the world.

## Remote Launch and Control

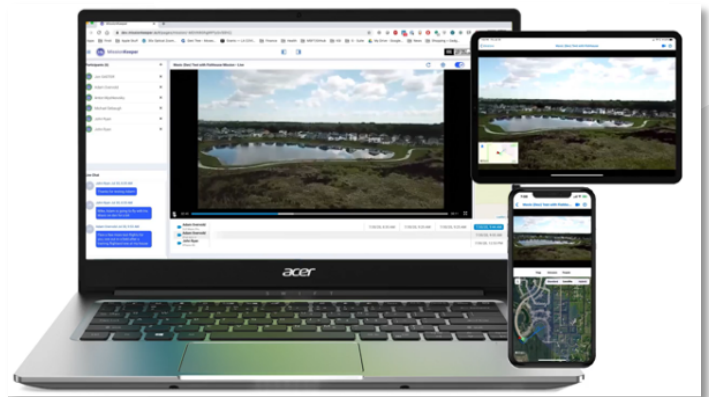
Designed to be launched from a text message Once launched the SkyCaster immediately broadcasts alerts to a pre-determined set of users and makes climb, loiter, land and full camera control capabilities available to those remote users with sub-second latency. Powered from the ground, the SkyCaster can stay in the air almost indefinitely providing a unique aerial view of an unfolding incident or event.

## MissionKeeper® - Global Secure Livestreaming and Collaboration

Integrated with the patented MissionKeeper® global collaboration service, SkyCaster is a true force multiplier. Responders can view the feed on any device from anywhere in real time, they can invite other users into the mission, and combine video feeds from multiple sources, drones, ground robots, underwater robots, and smartphones, all in real time. This unique situational awareness environment delivers cutting edge technology in an easy to use, affordable package.



Secure. Real Time. Reliable.  
Scalable. Collaboration.



**For more Information please contact:**

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## Technical Specifications

### Network

#### WiFi/Ethernet

- Dual-Band, Dual-Concurrent
- 802.11 a/b/g/n/ac
- Up to 128 connected devices (64 per channel – 2.4 GHz and 5 GHz)
- WPA2 Enterprise (WiFi)
- Hotspot/Captive Portal
- SSID-based Priority
- Client Mode (5 GHz only) for faster data offload
- 1gb WAN port for connection to wired infrastructure.

### Video Encoder

#### Inputs:

- **HD:** HDMI,
- HDMI pass-thru
- Frame Rate: Variable over 1 to 60 fps
- HD 1280x720
- Encode Rate:
  - HD: 256 Kbps to 3 Mbps
- Latency: <100 msec., typical 50 to 80 msec.
- Rate Control: VBR

#### Delivers Live Video

- Transport Stream
- MISP Compliant

### Software

- MissionKeeper licenserequired

### Physical

#### Dimensions:

- 19" H x 31.5" W x 36.5" D

#### Weight:

- 50 pound

#### Case:

- Waterproof

### Environmental

- Temperature: -10° C to + 60°C

### Protocols

- IP Encapsulation MPEG-2 Transport Stream over SRT/UDP

### Encryption

- SRT AES File Encryption

### Processing

- Quad-core ARM A57 @ 1.43 GHz
- 128-core Maxwell GPU
- 4 GB 64-bit LPDDR4 25.6 GB/s

### Electrical

- 2500 watts approx.
- Input Voltage: 110 VAC 60Hz
- USB Type-A 3.0



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