Using Drones with Wirecast

With worldwide adoption of drones increasing for cinematography and coverage of events, Wirecast can be the key element used by drone pilots and camera teams to capture and deliver their feeds.

Wirecast

Overview

Wirecast is live production and switching software for Mac or Windows computers that takes in video and audio sources, mixes and produces them with effects, transitions and graphics, then encodes RTMP or RTMPS video streams to destinations on the internet. Common destinations include popular social media platforms like Facebook Live, YouTube Live, Periscope, and many others.

Wirecast is frequently used with drones and aerial video systems to take in the live video signals from the drones' cameras add additional production value, then stream or record the resulting program feed.

Uses

Wirecast brings added and expanded live streaming and production capabilities to your drone's video capabilities. By connecting your drone's video signal to Wirecast (see *Workflow* on the next page), it allows a nearly limitless number of possibilities for your content. Some use cases that have been seen alreadyare listed here.

Sports

Live sports producers use drones to get additional video angles of the play action for live viewers and fans.

Live Events

Wirecast has been used with drones to get up-close video angles of live fireworks celebrations, and aerial crowd shots of concerts and music festivals.

Real-Estate

House tours, open houses, home and roof inspections, drones bring a lot of value to the realestate market and Wirecast enables drone operators to add live voiceovers, and additional camera angles for videos or live remote viewers.

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Government, Military & Police

Drones are used more and more in military and government applications. The USAF has purchased numerous seats of Wirecast to manage and encode incoming drone footage.

News Production

Wirecast is a tool commonly found in the field-producer's toolkit for live news contribution. Drones are increasingly used in this application as well.

Workflow

Capture the signal from your drones into the computer running Wirecast. Depending on the model drone and camera you are using, this can be done in different ways:

1. Direct Connection: Drones with attached RF/UHF video transmitters can send their signals to a baseband decoder which can capture directly into Wirecast using an HDMI or SDI capture card.

2. Wifi or Network Connection: Drones that send video over Wi-Fi or LAN connection or to RF receivers that pass the signal can be connected to Wirecast Pro using its advanced network sources input plugins. Wirecast can decode RTMP, HTTP, RTPS and proprietary protocols like NDI and Teradek video packets.

3. Screen Capture or Re-transmission: Many consumer drones stream video to closed mobile applications or outbound to 3rd party RTMP servers. Wirecast can capture screens from mobile apps or pull down RTMP feeds from outside servers.

Wirecast software is available for Windows or Mac computers, and you can also buy it as a turnkey hardware and software streaming production system as *Wirecast Gear* (shown above)

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