# McQ VIDEO COMPRESSION KIT
## Compressed Hardware for Compressed HD Video
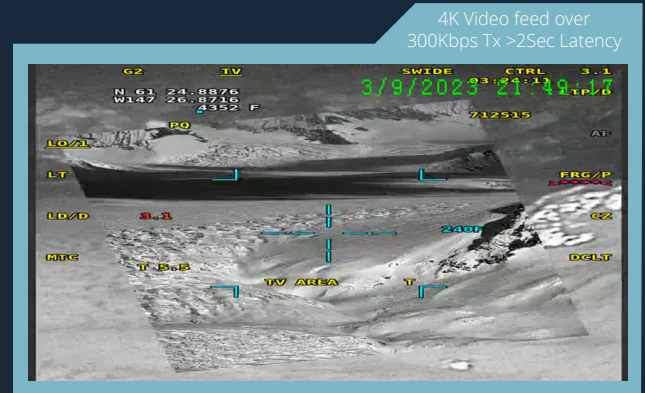
GSA Contract Holder
Contract 47QTCA21D005L

The Video Bandwidth Agility Kit (VBAK) will comprise of one (1) hardened case with an internal router connected to a video module hosting proprietary compression software that can be used either as a stand-alone solution installed in the aircraft or paired with a tactical, removable/roll-on-roll-off (RO-RO) airborne SATCOM system capable of transmitting over Ka, Ku, and L-band.

The hardware components consist of a Satcom Direct WiFi Hub and a Video Compression Module that hosts the McQ vWatch® compression software. These components form one line replaceable unit (LRU). The LRU is installed between the onboard camera and the onboard modem. An integration server is required within the ground infrastructure to provide video to the end user.

Supported IP Formats:
- ONVIF
- 802.11 as POE
- USB UVC type cameras

NOTE:  VBAK configurable to meet customer requirements

4K Video feed over 300Kbps Tx >2Sec Latency

## Benefits of McQ VBAK?

- Provides Near Live Compressed Video to Multiple Distributed Users
- HD quality video using compression over data rates as low as 5 kbps
- Compression Rates can be Changed On the Fly dynamically in-flight, providing transmission agility while assuring link resiliency
- Operates on Internet Protocol (IP) networks including Satellite, Cellular, or IP Radio Modems
- McQ vWatch® Module provides a Web Page for Module Set Up

- Satcom Direct's Data Center and Private Network offers continuous vulnerability scanning, intrusion detection, and encryption all the while ensuring your data never touches the public network.
- McQ User Interface displays Video and provides Operator System Control of Frame Rate, Pixel Resolution, and Camera Pan, Tilt, Zoom.
- Frame Rate and Pixel Resolution are Adjustable for Best Data Rate