

Alta X / Works Well Wiris Pro Camera Workflow

THE WIRS PRO IS SENSITIVE TO DYNAMIC FIRE AND ENVIRONMENTAL CONDITIONS. BEGIN WITH CAMERA SETTING CALIBRATIONS WHILE ON THE GROUND, IDEALLY UTILIZING FIRE NEAR THE TAKE OFF AND LANDING LOCATION. THE FURTHER THE AIRCRAFT IS INTO ITS MISSION OR LAUNCH LOCATION, THE LESS RESPONSIVE THE CAMERA SETTINGS. NEXT INCORPORATE TIME DURING THE EXTENT FLIGHT, REFINING THE VIDEO FEED AND EXPECT CONTINUED ADJUSTMENTS THROUGHOUT THE MISSION BASED ON CHANGING CONDITIONS.

After launch climb to your average operating altitude
Bring fire and non-fire landscape into your field of view
Open camera configurations
Open Range
Change to Manual
Adjust the “max” as needed (increase in max temp will make your colder “whites” temp objects darker conversely lower max temperature will brighten these objects)
Adjusting the “min” will affect your environment in the same ways.
Balance these two to meet your needs. Give the camera time to adjust.
Environment: Use -13°F to 302°F when low fire behavior (gridding the Green), -40° to 1022° Advancing fire, lots of heat in the screen with extreme high and low temps.
Washout and random brightening occur as a result of temperature extremes. The video feed may automatically adjust and stabilize or remain washed out requiring adjustments.

CHANGES IN AIR TEMPERATURE OR SUNLIGHT WILL FORCE THE NEED TO ADJUST THESE SETTINGS. TIME OF DAY VARIATIONS WILL HAVE DRASTIC EFFECTS ON THE VIDEO FEED REQUIRING UPDATED SETTINGS. FOR EXAMPLE, NIGHT OPERATIONS VS THE BEGINNING OF TWILIGHT CAN “WASH OUT” YOUR SCREEN WITH THE SAME SETTINGS.

GRAY SCALE RAINBOW HAS BEEN FOUND TO WORK WELL IN THE FIRE ENVIRONMENT; CHANGES TO THE PALETTE CAN ENHANCE THE VIDEO FEED

RECEIVING PACKETS WILL TAKE LONGER AS THE STORAGE OF THE SSD NEARS CAPACITY. INSERT AND SAVE TO SD CARD TO SAVE TIME AS WORKSWELL NEEDS TO BE CONNECTED TO BE POWERED TO PULL DATA. THE CAMERA IS SAVING GEOREFERENCED THERMAL IMAGES IT TAKES UP LARGE AMOUNTS OF SPACE AND SLOWS DOWN THE PROCESSING.

REFORMAT YOUR CAMERA AS OFTEN AS POSSIBLE. CAMERA - CONFIG - MEMORY – SSD (SOLID STATE DRIVE) – FORMAT

*This is a new system, and not one setting fits all.
You will need to continue to learn your system and environment.*