

## Digital Camera Interface [DCI] for UltraCam



### KEY FEATURES & BENEFITS

- triggers the camera at pre-planned positions
- observes camera operation and status
- captures the exposure mid-pulse and the mid-pulse correction time
- all information displayed on CCNS4 monitor
- provides the camera mount with crab information
- start/stop of mount stabilization at beginning/end of each planned flightline
- provides the UltraCam with time/date, project, position, and track information on every exposure from WinMP mission planning software
- synchronization of exposure numbers
- gives velocity and height information for image motion compensation
- firmware updates made easily with an integrated CF card slot
- optional: leveling of the GSM3000 mount with real-time data from the AEROcontrol

### THE NEW INTERFACE FOR CCNS4 / ULTRACAM

IGI's new Digital Camera Interfaces (DCI) provide all functions to operate digital aerial cameras with the well known CCNS4 (Computer Controlled Navigation System) guidance and flight management system for aerial survey flight missions.

Full compatibility with IGI's AEROcontrol system is realized to determine the EO-parameters ( $x/y/z/\phi/\omega/\kappa$ ) of each image.

The CCNS4 is not only able to trigger the camera and handle the feedback signal. It provides the possibility to read out all important status information from the camera.

## Digital Camera Interface [DCI]



SPECIFICATIONS DCI for ULTRACAM	
Dimensions:	
Length	50 mm
Width	140 mm
Height	108 mm
Weight	0.5 kg
CF card slot	ServiceCard
Operating temperature	0° C to + 40° C
Storage temperature	-20° C to +70° C
Humidity	95% non-condensing
Cables:	
CCNS4	4.0 m
AEROcontrol	4.0 m
UltraCam Sensor Unit	1.5 m
UltraCam Sensor Control Unit	3.0 m
GSM3000 / PAV30	1.5 m
Leveling option	GSM3000
Drift correction	PAV30, GSM3000
Gimbal encoder	PAV30, GSM3000
Stabilization control	PAV30, GSM3000