

Digital Camera Interface [DCI] for DMC




The interface for CCNS4 / DMC:

IGI's *Digital Camera Interface [DCI]* provides 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 and 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.

Key Features & Benefits

- Triggers the camera at pre-planned positions
- Observes camera operation and status
- Captures the exposure mid-pulse
- All information displayed on CCNS4 monitor
- Provides the camera mount with crab information
- Start/stop of mount stabilization at beginning/end of each planned flight line
- Synchronization of exposure numbers
- Gives velocity and height information for image motion compensation
- Optional: leveling of the GSM3000 mount with real-time data from the *AEROcontrol*

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| SPECIFICATIONS DCI for DMC | |
|------------------------------|--------------------|
| 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 |
| Standard cables: | |
| CCNS4 | 4 m |
| AEROcontrol | 4 m |
| DMC | 2 m |
| T-AS | 2 m |
| GSM3000 / PAV30 | 1.5m |
| Camera mount options: | T-AS PAV30 GSM3000 |
| Leveling option | x ¹ x |
| Drift correction | x x x |
| Gimbal encoder | x x x |
| Gyro Stabilization Control | x ¹ x x |

1: T-AS leveling or Gyro Stabilisation Control