



PANOPTÉ1 – Data Sheet

Camera Characteristics

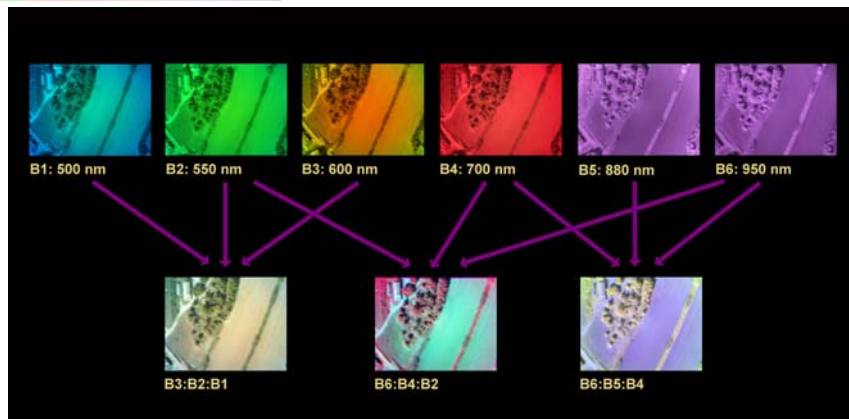
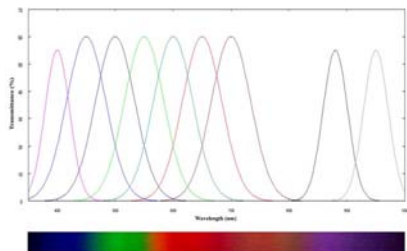
Objective : 6.47 mm / F3.2
Sensor: CMOS
Resolution: 2560 x 1920 pixels
A/D Conversion: 8 bits
Autofocus Range: Fixed 1.2 m-Infinite
File Format: JPEG
Exposure Modes: AUTO
Shutter Speed: 1/8000 - 1/4 sec
Weight: 1200 g.

Geometric Performances

Pixel Size: 0.0022 mm x 0.0022 mm
IFOV: 0.0195 deg x 0.0195 deg
Active Pixels: 2560 x 1920
Active Sensor Size: 5.6 mm x 4.2 mm
FOV: 46.8 deg x 35.96 deg

Spectral Performances

Spectral Resolution: 6 Bands
Filtering: Interferential
FWHM: 50 & 80 nm



PANOPTÉ is a multispectral camera designed for the ARGOS UAV and oriented to environmental applications. It provides images in six spectral bands with FWHM of 50 and 80 nm in the 400-1000 nm spectral range. With this camera, CATUAV has the capability to perform thematic studies at spatial and temporal resolution ranges inaccessible by other systems. Due to that the six bands can be configured, the camera can be adapted to each application to conduct quantitative analysis oriented to hydrology, forestry, agriculture, geology, pollution and waste management.

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