

Leica ADS40 2nd Generation Airborne Digital Sensor

Leica Geosystems (Switzerland) has introduced its Leica ADS40 2nd Generation Airborne Digital Sensor. In 2001, the company introduced the first large-format digital camera, the ADS40. Leica Geosystems has now developed two new sensor heads - SH51 and SH52 - for this system.

Equipped with new, patented beamsplitter technology, the SH51 Sensor Head provides co-registered colour and panchromatic images for stereo viewing. The SH52 adds a stereo colour-infrared capability.

Professionals can now produce and use the 5-band co-registered imagery for all aerial surveying and airborne remote sensing applications. Time and costs are saved through simultaneous, wide-area acquisition of true high-resolution panchromatic, colour and colour-infrared digital images.

The guiding single-lens design principle for the Leica ADS40 2nd Generation avoids multiple-lens image patching. Pan-colourising (pan-sharpening) with low resolution spectral band images, that causes colour distortion, is not required for the Leica ADS40 2nd Generation. Plus, stereo viewing is achieved colour fringe-free, due to the constant stereo and viewing angle.

<https://www.gim-international.com/content/news/leica-ads40-2nd-generation-airborne-digital-sensor>
