

Current trends in E-O payloads for advanced remote sensing from space

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The current requirements from E-O users of space imagery along with the growing competition in the commercial imagery market from space creates much more demanding requirements from the new E-O payloads for satellites.

A substantial improvement of resolution is required along with an increase of the swath of the payload in order to improve the coverage significantly.

Other requirement is to combine two or several bandwidth in the same payload such as Panchromatic and IR.

New E-O payloads such as Hyper-Spectral payloads are required as well. This presentation will describe the current requirement and some of the solution for that requirement as well.