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NAOMI instrument: a product line of compact and versatile cameras designed for HR and VHR missions in Earth observation

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NAOMI INSTRUMENT: A PRODUCT LINE OF COMPACT AND VERSATILE CAMERAS DESIGNED FOR HR & VHR MISSIONS IN EARTH OBSERVATION.

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Abstract

Astrium has developed a product line of compact and versatile instruments for HR and VHR missions in Earth Observation.

These cameras consist on a Silicon Carbide Korsch-type telescope, a focal plane with one or several retina modules - including five lines CCD, optical filters and front end electronics - and the instrument main electronics.

Several versions have been developed with a telescope pupil diameter from 200 mm up to 650 mm, covering a large range of GSD (from 2.5 m down to sub-metric) and swath (from 10km up to 30 km) and compatible with different types of platform.

Nine cameras have already been manufactured for five different programs: ALSAT2 (Algeria), SSOT (Chile), SPOT6 & SPOT7 (France), KRS (Kazakhstan) and VNREDSat (Vietnam). Two of them have already been launched and are delivering high quality images.