



The Pearl-Qatar, Doha, Qatar | May 3, 2022 | SV Neo-1

SUPERVIEW NEO-1 SATELLITES

30 cm Resolution, 4 MS bands, Stereo Imaging, High Agility

SuperView Neo-1 is a very-high-resolution optical satellite constellation, it consists of over 16 satellites with 20-30 cm resolution in the programme. SuperView Neo-1 01&02 are first two satellites of the programme, and they were launched on April 29, 2022. Combining with another 5 SuperView satellites (SuperView-1 and SuperView-2), SuperView provide the strong imaging ability to support geospatial applications and intelligent analytics for global users.

Technical Specifications

Mission life	6 years	
Launch time	April 29, 2022	
Orbite	Sun-synchronous, 10:30 am descending node 500 km altitude	
Resolution (at nadir)	Panchromatic: 30 cm; multispectral: 1.2 m	
Sensor bands	Panchromatic Blue Green	Red Near-infrared
Swath width (at nadir)	12 km	
Dynamic range at imaging	11 bits	
NIIRS Class	6.0	
Oblique viewing angle	±30° (normal), ±45° (extended)	
Revisit capacity	Daily	
Imaging modes	multi-target, multi-strip, stereo and corridor collection on one single pass	
Imaging capacity	1,500,000 km ² (max capacity)	
Max acquisition for single target	60 km × 90 km	

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