Rome, Italy

SATELLOGIC®

DATA SHEET

SUPER RESOLUTION IMAGERY

Satellogic designs, builds, and operates its own fleet of Earth Observation satellites, the Aleph-1 constellation. We collect high-resolution imagery for a broad range of industrial, environmental, and government applications. Our multispectral cameras capture sub-meter resolution at an altitude of around 475 km.

SuperResolution enhances the spatial resolution of our multispectral imagery to 70 cm using proprietary processing techniques. This improves the clarity of the original image without disrupting the integrity of radiometric values —creating a product optimized for machine learning and AI applications.

IMAGERY SPECIFICATIONS

PRODUCT	MULTISPECTRAL
Pixel Resolution	70 cm
Number of Bands	4
Wavelengths	Blue: 450 - 510 nm Green: 510 - 580 nm Red: 590 - 690 nm Near-IR: 750 - 900 nm
Image Accuracy	10 m CE90
Image Delivery bits/pixel	8 or 16 bits
File Format	GeoTiff
File Compression	LZW lossless data compression
Image Metadata	Included
Projection	UTM/WGS84
Swath Width	5 km

Zour Refinery, Kuwait

Find out more at satellogic.com

Dubai International Airport, UAE

PRODUCT SPECIFICATIONS

IMAGERY PRODUCT	STANDARD (Level 1)	VISUAL (Level 3)
Sensor Correction (Corrected for sensor and optical effects)	✓	✓
Geometric Correction (Projected to UTM/WGS-84)	✓	✓
Ortho-rectified (Corrected for terrain distortions)	✓	✓
SuperResolution Processing	✓	✓
Radiometric Correction (TOA Top Of Atmosphere Reflectance)	✓	N/A
Atmospheric Correction (Surface Reflectance)	N/A	N/A
GIS Ready	✓	✓
Bits per Pixel	16 bit	8 bit
Delivery	Media, Cloud, API	Media, Cloud, API
Applications	Advanced analytics based on radiometric values	Basemaps, Visual interpretation, Basic Analytics

Amsterdam Port Area, Netherlands

Schedule a Q&A with our team at sales@satellogic.com