



SYSTEM-READY (1B) IMAGERY

 DATA SHEET



System-Ready (1B) Imagery

System-Ready Imagery products are designed for users with advanced image processing capabilities. Maxar supplies camera model information with each System-Ready Imagery product, allowing you to perform sophisticated photogrammetric processing such as orthorectification and three dimensional feature extraction. System-Ready Imagery is the least processed image product with corrections for radiometric distortions. Adjustments for internal sensor geometry, optical and sensor distortions have been performed on each scene ordered.

Title

- High resolution
 - 31 cm–82 cm panchromatic, natural color, color infrared or 4-band pansharpened
 - 1.64 m–3.28 m multispectral
- Large image swath collection size
 - 16.4 km–18.0 km width at nadir
 - High radiometric response
 - 11-bit digitization (up to 2,048 levels of gray scale)
 - Discrete non-overlapping bands
- Open systems
 - Camera model information supplied
 - Compatible with leading commercial software providers
 - Popular image file formats
- Spacecraft telemetry and camera model supplied with satellite imagery
- Provides the flexibility to perform your own photogrammetric processing on raw data to produce orthorectified imagery and first generation basemaps
- Identify features, create maps and detect changes from recent global imagery at the highest resolution possible from commercial imaging satellites
- Map large areas faster with fewer files to manage and process
- Improve feature classification and identification in dark or bright areas, such as building shadows or snow and perform more flexible image enhancement
- Get your high-resolution satellite orthoimagery project up and running quickly and easily using your

GLENDALE, ARIZONA, USA



MAXAR

Specifications

SYSTEM-READY (1B) IMAGE STRIPS	
Product characteristics	Description
PRODUCT OPTIONS	
Pixel resolution*	30 cm, 40 cm, 50 cm, as collected
Multispectral	1.2 m, 2 m, as collected
Off-Nadir Angle (ONA)	>30 degrees (Customer requested)
Seasonality	Customer requested
Bits per pixel	8 or 16
ACCURACY	
Pointing accuracy	5 m CE90
RADIOMETRY	
Radiometric options	Calibrated (5%) DRA (Color-corrected, contrast enhancement 'only if also color-corrected')
Relative radiometric accuracy (calibrated)	+/-1%
Bits per pixel	8 or 16
PROCESSING & DELIVERY OPTIONS	
Image bands	4-band, 8-band
Format options	GeoTIFF

DELIVERABLES

System-Ready Imagery can be acquired directly from the Maxar archive or you can submit a new collection request. System-Ready Imagery is ordered by the scene, with a minimum purchase of a single scene up to a maximum of 10,000 sq km per order. Products are delivered on your choice of standard digital media with all the Image Support Data files needed for photogrammetric processing, including attitude and ephemeris data, geometric calibration, camera model, image metadata, radiometric data and rational functions.

DELIVERY METHODS

- Media delivery: DVD
- Media delivery: external HD
- Web-based delivery: FTP