

Specifications for IKONOS NASA Original Data Products

PHASE II Science Data Buy Space Imaging

Specifications	NASA Original Panchromatic (georectified)	NASA Original Multispectral (georectified)
Satellite Revisit Time at 40 degrees latitude	Std. geometric accuracy - 3 days	Prec. geometric accuracy - 9.4 days
Image GSD (at nadir)	0.82 meter	3.28 meter
Radiometric Resolution	11 – bit	11 – bit
Spectral Band Pass (pan)	450 - 900 nm	N/A
Spectral Band Pass (blue)	N/A	445 - 516 nm
Spectral Band Pass (green)	N/A	506 - 595 nm
Spectral Band Pass (red)	N/A	632 - 698 nm
Spectral Band Pass (NIR)	N/A	757 - 853 nm
Absolute Horizontal Geometric Correction Accuracy (CE90)	Std \pm 250 meters Prec.- \pm 3 meters 90% circular error (Exclusive of terrain uncertainty. Mono images within 10 degrees off Nadir)	Std \pm 250 meters Prec.- \pm 5 meters 90% circular error (Exclusive of terrain uncertainty. Mono images within 10 degrees off Nadir)
Absolute Vertical Accuracy	N/A	N/A
Projection/Datum	UTM/WGS-84	UTM/WGS-84
Cloud Cover	Less than 10% (Cloud cover specified by customer. Availability limited by regional cloud cover conditions.)	10% or less (Cloud cover specified by customer. Availability limited by regional cloud cover conditions.)
Resampling Method	Cubic Convolution	Cubic Convolution
Sidelap and Endlap	At least 10%	Less than 10%