Amplitude Change Detection
» Two-color multi-view (2CMV)

Anamorphic Correction
» Toggles square pixels for Sensor Independent Complex Data (SICD)

Automatic Application of Enhancements Based on Image and Sensor Type

Coherent Change Detection
» Automatic registration
» Coherence image output
» Goldstein filtering
» Interferogram / phase interferogram generation
» Spatial smoothing
» Support for the following sensors:
  ◦ COSMO-SkyMed
  ◦ KOMPSAT-5
  ◦ NITF (CMETAA)
  ◦ RADARSAT-2
  ◦ Sentinel-1A
  ◦ SICD
  ◦ TanDEM-X
  ◦ TerraSAR-X

Colorization
» Customizable look-up tables

Complex Data Visualization
» Allow real-time switching to view phase, inphase (I), and quadrature (Q) data
» Convert I and Q values to magnitude on the fly
» COSMO-SkyMed complex (HDF5)
» KOMPSAT-5 complex (HDF5)
» PALSAR-2 complex (CEOS/TIFF)
» RADARSAT-2 complex (TIFF)
» RISAT-1 complex (CEOS)
» Sentinel-1A complex (TIFF)
» SICD
» TanDEM-X complex (COSAR)
» TerraSAR-X complex (COSAR)

Interferometric Pair Finder
» Define matching collection geometry thresholds

Ortho On-the-Fly™
» Works for complex, detected, and derived products

Orthophoto Generation

Polarimetric Color Composites

Polarimetric Decompositions
» Accomplished using Band Math functionality
» Pauli decompositions

Rigorous SAR Sensor Models
» COSMO-SkyMed
» COSMO-SkyMed complex
» KOMPSAT-5
» KOMPSAT-5 complex
» PALSAR-2
» PALSAR-2 complex
» RADARSAT-1
» RADARSAT-2 complex
» RADARSAT-2 north aligned
» RADARSAT-2 orbit aligned
» Sentinel-1A complex
» Sentinel-1A GRD
» SICD
» Sensor Independent Derived Data (SIDD)
» TanDEM-X
» TanDEM-X complex
» TerraSAR-X
» TerraSAR-X complex

SAR Overlay
» View important collection angles

Slant to Ground Plane Toggle

Sub-Aperture Stack
» Anamorphic correction toggles square pixels for all output frames
» Configurable number of output frames
» Customizable animation rates for visualizing stack as a movie

Terrain Extraction from Stereo SAR Imagery
» RADARSAT strategy included
» Bare earth terrain generation (DEM)
» Surface model terrain generation (DSM)

Threshold Look Up Tables
» Filters out low returns while highlighting high returns

Transparency Threshold