

Supported Data Formats in ERDAS IMAGINE

Legend

- **IMAGINE Essentials**
- **IMAGINE Professional**
- IMAGINE Advantage**
- ◆ **IMAGINE Additional Modules**

Raster Formats

| Data Format | Direct Read | Direct Write (CREATABLE) | Direct Write (SAVEABLE) | Import | Export |
|--|-------------|--------------------------|-------------------------|--------|--------|
| ADRG Image (.img) | ● | | | ● | ● |
| ADRG Legend (.igg) | ● | | | ● | |
| ADRG Overview (.ovr) | ● | | | ● | |
| ADRI | | | | ● | |
| Alaska SAR Facility (.L) | ● | | | ● | |
| ALOS AVNIR-2 JAXA CEOS | ● | | | ● | |
| ALOS PALSAR ERSDAC CEOS | ● | | | ● | |
| ALOS PRISM JAXA CEOS | ● | | | ● | |
| ALOS PRISM JAXA CEOS IMG | ● | | | ● | |
| ArcInfo & Space Imaging BIL, BIP & BSQ | ● | | | | |
| ASCII raster (USGS) | | | | ● | ● |
| ASRP | | | | ● | ● |
| ASRP or USRP (.img) | ● | | | ● | ● |
| ASTER EOS-HDF | ● | | | ● | |
| AVHRR (NOAA, NOAA KLM, Dundee, Sharp) | | | | ● | |
| AVIRIS | ● | | | ● | |

| Data Format | Direct Read | Direct Write (CREATABLE) | Direct Write (SAVEABLE) | Import | Export |
|--|-------------|--------------------------|-------------------------|--------|--------|
| Binary (Generic BIL, BIP, BSQ and Tiled) | | | | ● | ● |
| Bitmap (.bmp) | ● | | | ● | |
| CADRG, CIB (RPF) | ● | | | ● | □ |
| Cloud Optimized GeoTIFF (COG) | ● | | | | |
| COSMO-SkyMed | ● | | | ● | |
| Daedalus (AMS and ABS sensors) | | | | ● | |
| DEM (SDTS) (.ddf) | | | | ● | ● |
| DEM (USGS) (.dem) | | | | ● | ● |
| DigitalGlobe TIL (.til) (e.g. WorldView, QuickBird, etc) | ● | | | ● | |
| Digital Orthophoto Quadrangle (USGS DOQ) | | | | ● | ● |
| Digital Orthophoto Quadrangle Keyword Header (USGS DOQ) | | | | ● | ● |
| Digital Orthophoto Quarter Quadrangle (USGS DOQQ) | | | | ● | |
| Digital Point Positioning Database (DPPDB) | | | | ● | |
| DTED (.dt2, .dt1, .dt0) | ● | | | ● | ● |
| ECRG, ECIB | ● | | | ● | □ |
| ECRG, ECIB TOC (.xml) | ● | | | | |
| ENVI / AISA (.hdr) | ● | | | ● | |
| ENVISAT ASAR | ● | | | ● | |
| Enhanced Compressed Wavelet (.ecw) | ● | ● | ● | ● | ● |
| Enhanced Compressed Wavelet Protocol (.url) | ● | | | | |
| ERDAS Annotation (.ant) | | | | ● | |

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|---|-------------|--------------------------|-------------------------|--------|--------|
| ERDAS Digitize (.dig) | | | | ● | |
| ERDAS ER Mapper Algorithm (.alg) | ● | | | | |
| ERDAS ER Mapper (.ers) | ● | | ● | ● | ● |
| ERDAS ER Mapper Virtual Dataset (.ers) | ● | | | ● | |
| ERDAS GIS (.gis) | ● | | | ● | ● |
| ERDAS IMAGINE (.img) | ● | ● | ● | | |
| ERDAS LAN (.lan) | ● | | | ● | ● |
| EROS-A1 Level 1A (ImageSat) | ● | | | ● | |
| ERS-1 in ENVISAT format (ASAR) for E2 SLC product | ● | | | ● | |
| ERS-1, ERS-2 (CEOS) | | | | ● | |
| ERS-1, ERS 2 (Conae-PAF CEOS) | | | | ● | |
| ERS-1, ERS-2 (CRISP-PAF CEOS) | | | | ● | |
| ERS-1, ERS 2 (D-PAF CEOS) | | | | ● | |
| ERS-1, ERS-2 (H-PAF CEOS) | | | | ● | |
| ERS-1, ERS-2 (I-PAF CEOS) | | | | ● | |
| ERS-1, ERS-2 (TelAviv-PAF CEOS) | | | | ● | |
| ERS-1, ERS-2 (TROMSO-PAF CEOS) | | | | ● | |
| Esri® ArcSDE Raster (.sdi) | ● | | | ● | ● |
| Esri ArcInfo BIL, BIP, BSQ, HDR | ● | | | ● | |
| Esri ASCII Raster | ● | | | ● | |

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|---|-------------|--------------------------|-------------------------|--------|--------|
| Esri Geodatabase Raster | ● | | | ● | |
| Esri GRID and GRID Stack | ● | ● | | ● | ● |
| FIT | ● | | | ● | |
| FORMOSAT-2 DIMAP (.dim) | ● | | | ● | |
| Generic Binary (Raw Raster BIL, BIP, BSQ) | ● | | | ● | ● |
| GeoPackage (Raster) | ● | | | | |
| Geospatial PDF | | | | | ● |
| GeoSPOT (4-band data) | | | | ● | |
| GeoTIFF | ● | ● | ● | ● | ● |
| GIF (.gif) | ● | | | ● | |
| Göktürk-1 | ● | | | ● | |
| GRASS | | | | ● | ● |
| HDF-EOS | | | | ● | |
| HDF-EOS 5 | ● | | | ● | |
| HDF Raster | ● | | | ● | |
| HDF4 Raster & Scientific | ● | | | ● | |
| HRE (High Resolution Elevation) | ● | | | ● | |
| HYDICE (.cub) | ● | | | ● | |
| Hyperion | ● | | | ● | |

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|--|-------------|--------------------------|-------------------------|--------|--------|
| Intergraph CCITT Group 4 (.cit) | ● | | | ● | |
| Intergraph COT | ● | | | ● | |
| Intergraph ISAT | | | | ● | ● |
| IRS-1C/1D (Super Structure format) | | | | ● | |
| IRS-1C/1D/P6 (EOSAT Fast Format C and Euromap Fast Format C) | | | | ● | |
| IRS-P4 OCM (Super Structure format) | | | | ● | |
| JFIF (JPEG) (.jpg) | ● | | ● | ● | ● |
| JPEG 2000 including GeoJP2 and GMLJP2 (.jp2, .j2k, .j2c, .jpc, .jpx, .jpf) | ● | ● | ● | ● | ● |
| KazEOSat-1 DIMAP | ● | | | ● | |
| KazEOSat-2 DIMAP | ● | | | ● | |
| KOMPSAT | ● | | | ● | |
| Landsat 7 CEOS (Eurimage) | | | | ● | |
| Landsat 7 Fast-L7A (ACRES, EROS, Eurimage) | | | | ● | |
| Landsat 7 HDF | | | | ● | |
| Landsat 4 & 5 TM, Landsat 7 ETM+ and Landsat 8 USGS (.tar.gz) | | | | ● | |
| Landsat MSS | | | | ● | |
| Landsat TM Fast Format (ACRES, EOSAT, ESA, IRS, Radarsat) | | | | ● | |
| Landsat TM Standard Format (ACRES, EOSAT, ESA, IRS, Radarsat) | | | | ● | |
| Leica ADS40, ADS80, ADS100, RCD 30 (.ads, .sup) | ● | | | ● | |

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|---|-------------|--------------------------|-------------------------|--------|--------|
| Leica ALS60, ALS70 (.las) | ● | | | ● | |
| Luciad Terrain Service (.lts) | ● | | | ● | |
| MODIS (HDF-EOS) | | | | ● | |
| MODIS (IMAPP format) | | | | ● | |
| MrSID (Generation 2) (.sid) | ● | ● | ● | ● | ● |
| MrSID (Generation 3 – Geo Express) (.sid) | ● | ● | ● | ● | ● |
| MrSID (Generation 4) (.sid) | ● | | | ● | |
| NASDA CEOS | | | | ● | |
| NDF (NLAPS Data Format) | | | | ● | |
| NetCDF | ● | | | | |
| NLAPS DEM | ● | | | ● | |
| NLAPS Multispectral Imagery | ● | | | ● | |
| Neva Ridge PAR binary (.par) | ● | | | ● | |
| NITF 1.1, 2.0 and 2.1 | ● | ● | | ● | ◆ |
| NSIF | | | | | ◆ |
| Oracle® GeoRaster (.ogr) | ● | | | ● | ● |
| OSDDEF | ● | | | ● | |
| PAZ (PAZ*.xml) | ● | | | ● | |
| PCI Geomatics PCIDISK (*.pix) | ● | | | ● | |

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|--|-------------|--------------------------|-------------------------|--------|--------------------------|
| PCX raster | ● | | | ● | ● |
| PeruSAT-1 DIMAP | ● | | | ● | |
| PlanetScope (.xml) | ● | | | ● | |
| Pleiades DIMAP, DIMAP v2 (.xml) | ● | | | ● | |
| PNG (.png) | ● | | ● | ● | |
| RADARSAT CEOS format | | | | ● | |
| RADARSAT-2 (product.xml) | ● | | | ● | |
| RapidEye (.xml) | ● | | | ● | |
| Raw (.raw) | ● | | | | |
| RISAT CEOS | ● | | | ● | |
| RPF CADRG and CIB | ● | | | ● | <input type="checkbox"/> |
| RPF Frame and Product | ● | | | ● | |
| RPF Overview | ● | | | ● | <input type="checkbox"/> |
| RPF TOC (.toc) | ● | | | ● | |
| SDTS Raster | | | | ● | ● |
| SICD | ● | | | ● | |
| SeaWiFS HDF | | | | ● | |
| SeaWiFS level 1B & 2A data (OrbView CEOS format) | | | | ● | |
| Sentinel-1 SAFE | ● | | | ● | |

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|---|-------------|--------------------------|-------------------------|--------|--------|
| Sentinel-2 SAFE 1C & 2A | ● | | | ● | |
| SOCET SET GRID (.dth) | | | | ● | ● |
| SOCET SET Support (.sup) | ● | | | ● | |
| SPOT 5 GeoTIFF | | | | ● | |
| SPOT CAP/SPIM | | | | ● | |
| SPOT CCRS | | | | ● | |
| SPOT DIMAP | ● | | | ● | |
| SPOT 6, 7 DIMAP v2 | ● | | | ● | |
| SPOT Fast Format | | | | ● | |
| SPOT GIS GeoSPOT, SPOTView, & METROView | | | | ● | |
| SPOT NASDA CAP | | | | ● | |
| SPOT SICORP MetroView | | | | ● | |
| SPOT XS, XI, Pan & P/XI (SPOT, ACRES, CCRS) | | | | ● | |
| Sub-Image (.sbi) | ● | | | | |
| SuperView | ● | | | ● | |
| Sun Raster | | | | ● | ● |
| Surfer (Binary, ASCII, Surfer 7) | | | | ● | |
| Surfer Grid | ● | | | ● | ● |
| Targa | ● | | | ● | |

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| TanDEM-X (TDX1*.xml) | ● | | | ● | |
| TerraSAR-X (TSX1*.xml) | ● | | | ● | |
| THEOS DIMAP | ● | | | ● | |
| TIFF (including GeoTIFF and TIFF World), also known as TIFF32 | ● | ● | ● | ● | ● |
| TIFF64 (including BigTIFF, BigGeoTIFF) | ● | ● | | ● | ● |
| Unrestricted Access Image (*.uai) | ● | | | | |
| URI Proxy File (*.uri) | ● | | | | |
| USGS DEM (*.dem) | ● | | | | |
| USGS DOQ (*.doq) | ● | | | | |
| USGS SDTS DEM (*.CATD.DDF) | ● | | | | |
| USRP (.img) | ● | | | ● | ● |
| View (.vue) | ● | | | | |
| VITEC (.vit) | ● | | | | |
| Virtual Mosaic (.vmc, .vmcx) | ● | | | ● | |
| Virtual Stack (.vsk) | ● | | | ● | |
| VNREDSat-1 DIMAP | ● | | | ● | |
| Web Coverage Service (.wcs) | ● | | | | |
| Web Mapping Service (.wms) | ● | | | | |
| ZiYuan-3 (ZY-3) | ● | | | ● | |

Vector/ Point Cloud / TIN / Other Formats

| Data Format | Direct Read | Direct Write | Import | Export |
|--|-------------|--------------|--------|--------|
| Applanix POSEO | | | ● | |
| ASCII to Annotation (.ovr) | | | ● | |
| Binary Point File (BPF) | ● | ● | | |
| BPF to LAS | ● | | ● | ● |
| DXF to ERDAS IMAGINE Annotation | | | ● | ● |
| ERDAS 7.x Annotation (.ant) | ● | | | |
| ERDAS IMAGINE Annotation layers (.ovr) | ● | ● | ● | |
| ERDAS IMAGINE Area of Interest layers (.aoi) | ● | ● | ● | |
| ERDAS IMAGINE Map Composition (.map) | ● | ● | ● | |
| Esri 2D & 3D Shapefiles (.shp) | ● | ● | ● | ● |
| Esri ArcIMS | ● | | ● | |
| Esri ArcInfo Coverages (8.x, 7.x, 6.x, 3.5) | ● | | ● | |
| Esri ArcSDE Vectors (.sdv) | ● | ● | ● | |
| Esri Geodatabase Vector Features (.gdb) | ● | ● | ● | |
| GeoPackage (Vector) | ● | | | |
| Geospatial PDF | | | | ● |
| Hexagon Point Cloud (.hpc) | ● | | | □ |
| Hexagon Point Cloud proxy (.hpcp) | ● | | | |
| Inpho Project (.prj) | | | ● | ● |
| Intergraph ISAT | | | ● | ● |

| Data Format | Direct Read | Direct Write | Import | Export |
|--|-------------|--------------|--------|--------|
| Leica Terrain Format (.lrf, .lrfx) | ● | ● | | |
| LIDAR LAS Point Cloud (LAS 1.0, 1.1, 1.2, 1.3, 1.4) (.las) | ● | ● | ● | ● |
| LIDAR LAZ Point Cloud (.laz) | ● | ● | ● | ● |
| MrSID Point Cloud (.sid) | ● | | | |
| MultiGen OpenFlight FLT | | | ● | |
| Oracle Features proxy (.ofp) | ● | | | |
| Oracle Spatial Feature (.ogv) | ● | | ● | ◆ |
| PostGIS Features | ● | | | |
| SOCET SET Project (.prj) | | | ● | ● |
| SQL Server® Features | ● | | | |
| Terramodel TIN Project files (.pro) | ● | | ● | |
| UDS Point Cloud (.uds) | ● | | | |



Contact Us



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About Hexagon

Hexagon is a global leader in sensor, software and autonomous solutions. We are putting data to work to boost efficiency, productivity, and quality across industrial, manufacturing, infrastructure, safety, and mobility applications.

Our technologies are shaping urban and production ecosystems to become increasingly connected and autonomous — ensuring a scalable, sustainable future.

Hexagon's Geospatial division creates solutions that deliver a 5D smart digital reality with insight into what was, what is, what could be, what should be, and ultimately, what will be.

Hexagon (Nasdaq Stockholm: HEXA B) has approximately 21,000 employees in 50 countries and net sales of approximately 4.4bn USD. Learn more at hexagon.com and follow us @HexagonAB.

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