

Supported data formats in ERDAS IMAGINE

Legend

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

Raster formats

Data format	Direct Read	Direct Write (CREATABLE)	Direct Write (SAVEABLE)	Import	Export
ADRG Image (.img)	●			●	<input type="checkbox"/>
ADRG Legend (.igg)	●			●	
ADRG Overview (.ovr)	●			●	
ADRI				●	
Alaska SAR Facility (.L)	●			●	
ALOS AVNIR-2 JAXA CEOS	●			●	
ALOS PALSAR ERSDAC CEOS	●			●	
ALOS PALSAR JAXA CEOS	●			●	
ALOS PALSAR-2 JAXA CEOS	●			●	
ALOS PRISM JAXA CEOS	●			●	
ALOS PRISM JAXA CEOS IMG	●			●	
ArcInfo and Space Imaging BIL, BIP and BSQ	●				
ASCII raster (USGS)				●	●
ASRP				●	<input type="checkbox"/>
ASRP or USRP (.img)	●			●	<input type="checkbox"/>
ASTER EOS-HDF	●			●	

Data format	Direct Read	Direct Write (CREATABLE)	Direct Write (SAVEABLE)	Import	Export
AVHRR (NOAA, NOAA KLM, Dundee and Sharp)				●	
AVIRIS	●			●	
Binary (Generic BIL, BIP, BSQ and Tiled)				●	●
Bitmap (.bmp)	●			●	
BlackSky (*.nitf)	●			●	
CADRG, CIB (RPF)	●			●	□
Capella (GEO, GRD and SLC)	●			●	
Cloud Optimized GeoTIFF (COG)	●				
COSMO-SkyMed (first and second generation)	●			●	
Daedalus (AMS and ABS sensors)				●	
Defense Gridded Elevation Data (DGED)	●			●	
Deimos-1 & -2 (*.tif)	●			●	
DEM (SDTS) (.ddf)				●	●
DEM (USGS) (.dem)				●	●
Maxar DigitalGlobe TIL (.til) (e.g., WorldView, QuickBird, Legion, 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	●			●	□

Data format	Direct Read	Direct Write (CREATABLE)	Direct Write (SAVEABLE)	Import	Export
ECRG, ECIB TOC (.xml)	●			●	<input type="checkbox"/>
ENVI/AISA (.hdr)	●			●	
ENVISAT ASAR	●			●	
Enhanced Compressed Wavelet (.ecw)	●	●	●	●	●
Enhanced Compressed Wavelet Protocol (.url)	●				
ERDAS Annotation (.ant)				●	
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)				●	

Data format	Direct Read	Direct Write (CREATABLE)	Direct Write (SAVEABLE)	Import	Export
ERS-1, ERS-2 (I-PAF CEOS)				●	
ERS-1, ERS-2 (TelAviv-PAF CEOS)				●	
ERS-1, ERS-2 (TROMSO-PAF CEOS)				●	
Esri ArcInfo BIL, BIP, BSQ and HDR	●			●	
Esri ASCII Raster	●			●	
FIT	●			●	
FORMOSAT-2 DIMAP (.dim)	●			●	
Gaofen 1 (.tif)	●			●	
Gaofen 6 (.tif)	●			●	
Gaofen 7 (.tif)	●			●	
Generic Binary (Raw Raster BIL, BIP, BSQ)	●			●	●
GeoPackage (Raster)	●				
Geospatial PDF					●
GeoSPOT (4-band data)				●	
GeoTIFF	●	●	●	●	●
GIF (.gif)	●			●	
Göktürk-1	●			●	
GRASS				●	●
GRID Stack	●			●	

Data format	Direct Read	Direct Write (CREATABLE)	Direct Write (SAVEABLE)	Import	Export
HDF-EOS				●	
HDF-EOS 5	●			●	
HDF Raster	●			●	
HDF4 Raster and Scientific	●			●	
HDF 5	●			●	
HRE (High Resolution Elevation)	●			●	
HYDICE (.cub)	●			●	
Hyperion	●			●	
ICEYE (GRD, SLC)	●			●	
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-P6 is also known as Resourcesat-1				●	
IRS-P4 OCM (Super Structure format) IRS-P4 is also known as Oceansat-1				●	
JFIF (JPEG) (.jpg)	●		●	●	●
Jilin-1 Gaofen-02B	●			●	
Jilin-1 Guanpu-01	●			●	
Jilin-1 Kuanfu-01	●			●	

Data format	Direct Read	Direct Write (CREATABLE)	Direct Write (SAVEABLE)	Import	Export
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 & 9 from 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)	●			●	
Leica ALS60, ALS70 (.las)	●			●	
Limited Error Raster Compression (LERC)	●				
Luciad Terrain Service (.lts)	●			●	
Meta Raster Format (MRF)	●				
MODIS (HDF-EOS)				●	
MODIS (IMAPP format)				●	
MrSID (Generation 2) (.sid)	●	●	●	●	●

Data format	Direct Read	Direct Write (CREATABLE)	Direct Write (SAVEABLE)	Import	Export
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 2.1, 2.0 and NSIF 1.0	●	●		●	◆
NITF 1.1	●				
On Demand Data (ODX)	●				
OSDDEF	●			●	
PAZ (PAZ*.xml)	●			●	
PCI Geomatics PCIDISK (*.pix)	●			●	
PCX raster	●			●	●
PeruSAT-1 DIMAP	●			●	
Planet SuperDove (.tif)	●			●	
PlanetScope (.xml)	●			●	
Pleiades DIMAP, DIMAP v2 (.xml)	●			●	

Data format	Direct Read	Direct Write (CREATABLE)	Direct Write (SAVEABLE)	Import	Export
Pleiades Neo, DIMAP v2 (.xml)	●			●	
PNG (.png)	●		●	●	
PRISMA	●			●	
RADARSAT CEOS format				●	
RADARSAT-2 (product.xml)	●			●	
RADARSAT Constellation Mission (RCM)	●			●	
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	●			●	
SIDD	●			●	
SeaWiFS HDF				●	
SeaWiFS level 1B and 2A data (OrbView CEOS format)				●	
Sentinel-1 SAFE	●			●	

Data format	Direct Read	Direct Write (CREATABLE)	Direct Write (SAVEABLE)	Import	Export
Sentinel-2 SAFE 1C and 2A	●			●	
Sentinel-3 SAFE	●			●	
SkySat (.ntf)	●			●	
SNIP NITF	●			●	
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 and METROView				●	
SPOT NASDA CAP				●	
SPOT SICORP MetroView				●	
SPOT XS, XI, Pan and P/XI (SPOT, ACRES, CCRS)				●	
SRTM HGT	●				
StriX-1	●			●	
Sub-Image (.sbi)	●				

Data format	Direct Read	Direct Write (CREATABLE)	Direct Write (SAVEABLE)	Import	Export
Sun Raster				●	●
SuperView 1 (also known as GaoJing-1)	●			●	
Surfer (Binary, ASCII, Surfer 7)				●	
Surfer Grid	●			●	●
Targa	●			●	
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)	●			●	

Data format	Direct Read	Direct Write (CREATABLE)	Direct Write (SAVEABLE)	Import	Export
Virtual Stack (.vsk)	●			●	
VNREDSat-1 DIMAP	●			●	
Web Coverage Service (.wcs)	●				
Web Mapping Service (.wms)	●				
Web Mapping Tile Service (.wmmts)	●				
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 and 3D Shapefiles (.shp)	●	●	●	●
Esri File Geodatabase features (.gdb)	●	●	●	

Data format	Direct Read	Direct Write	Import	Export
GeoPackage (Vector)	●			
Geospatial PDF				●
Hexagon Smart Point Cloud	●			
Inpho Project (.prj)			●	●
Intergraph ISAT			●	●
Leica Terrain Format (.ltx, .ltf)			□	
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)	●			



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About Hexagon

Hexagon is the global leader in digital reality solutions, combining sensor, software and autonomous technologies. We are putting data to work to boost efficiency, productivity, quality and safety across industrial, manufacturing, infrastructure, public sector, and mobility applications.

Our technologies are shaping production and people-related ecosystems to become increasingly connected and autonomous – ensuring a scalable, sustainable future.

Hexagon's Safety, Infrastructure & Geospatial division improves the resilience and sustainability of the world's critical services and infrastructure. Our solutions turn complex data about people, places and assets into meaningful information and capabilities for better, faster decision-making in public safety, utilities, defense, transportation and government.

Hexagon (Nasdaq Stockholm: HEXA B) has approximately 24,000 employees in 50 countries and net sales of approximately 5.2bn EUR. Learn more at hexagon.com and follow us [@HexagonAB](https://twitter.com/HexagonAB).