

Raster Formats

Data Format	Direct Read	Direct Write	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 PALSAR ERSDAC VEXCEL	●		●	
ALOS PALSAR JAXA CEOS	●		●	
ALOS PALSAR-2 JAXA CEOS	●		●	
ALOS PRISM JAXA CEOS	●		●	
ALOS PRISM JAXA CEOS IMG	●		●	
ASCII raster (USGS)			●	●
ASRP			●	●
ASRP (.img)	●		●	●
ASTER EOS-HDF			●	
AVHRR (NOAA, NOAA KLM, Dundee, Sharp)			●	
AVIRIS	●		●	
Binary (Generic BIL, BIP, BSQ and Tiled)			●	●
Bitmap (.bmp)	●		●	
CADRG, CIB	●		●	□
COSMO-SkyMed	●		●	

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Data Format	Direct Read	Direct Write	Import	Export
Daedalus (AMS and ABS sensors)			●	
DEM (SDTS) (.ddf)			●	●
DEM (USGS) (.dem)			●	●
DigitalGlobe TIL (.til)	●		●	
Digital Orthophoto Quad (USGS DOQ)			●	●
Digital Orthophoto Quad Keyword Header (USGS DOQ)			●	●
Digital Point Positioning Database (DPPDB)			●	
DTED	●		●	●
ECRG, ECIB	●		●	□
ECRG, ECIB TOC (.xml)	●			
ENVI (.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, ERS-2 (CEOS)			●	

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Data Format	Direct Read	Direct Write	Import	Export
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 Geodatabase Raster	●		●	
Esri GRID and GRID Stack	●	●	●	●
FIT	●		●	
FORMOSAT-2 DIMAP (.dim)	●		●	
Generic Binary (Raw Raster BIL, BIP, BSQ)	●		●	●
GeoPDF (TerraGo Technologies)				◆
GeoSPOT (4-band data)			●	
GeoTIFF	●	●	●	●
GIF (.gif)	●		●	
GRASS			●	●
HDF-EOS			●	
HDF-EOS5	●		●	
HDF Raster	●		●	
HDF4 Raster & Scientific	●		●	
HRE (High Resolution Elevation)	●		●	
HYDICE (.cub)	●		●	

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Data Format	Direct Read	Direct Write	Import	Export
Hyperion	●		●	
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)	●		●	●
JPEG2000 including GeoJP2 and GMLJP2 (.jp2, .j2k, .j2c, .jpc, .jpx, .jpf)	●	●	●	●
KOMPSAT	●		●	
Landsat 7 CEOS (Eurimage)			●	
Landsat 7 Fast-L7A (ACRES, EROS, Eurimage)			●	
Landsat 7 HDF			●	
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)	●		●	
Leica ALS60, ALS70 (.las)	●		●	
MODIS (HDF-EOS)			●	
MODIS (IMAPP format)			●	
MrSID (Generation 2) (.sid)	●	●	●	●
MrSID (Generation 3 – Geo Express) (.sid)	●	●	●	●
NASDA CEOS			●	

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Data Format	Direct Read	Direct Write	Import	Export
NDF (NLAPS Data Format)			●	
Neva Ridge PAR binary (.par)	●			
NITF 1.1 and 2.x	●	●	●	◆
NSIF				●
Oracle GeoRaster (.ogr)	●		●	◆
PCI Geomatics PCIDISK (*.pix)	●		●	
PCX raster	●		●	●
Pleiades DIMAP, DIMAP v2 (.xml)	●		●	
PNG	●		●	
RADARSAT CEOS format			●	
RADARSAT-2 (product.xml)	●		●	
RapidEye (.xml)	●		●	
Raw (.raw)	●			
RISAT CEOS	●		●	
RPF CADRG and CIB	●		●	□
RPF Frame and Product	●			
RPF Overview	●			□
RPF TOC (.toc)	●			
SDTS Raster			●	●
SeaWiFS HDF			●	
SeaWiFS level 1B & 2A data (OrbView CEOS format)			●	
SOCET SET GRID (.dth)			●	●
SOCET SET Support (.sup)	●		●	
SPOT 5 GeoTIFF			●	

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Data Format	Direct Read	Direct Write	Import	Export
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)	●			
Sun Raster			●	●
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 Big TIFF, BigGeoTIFF)	●	●	●	●
Unrestricted Access Image (*.uai)	●			
USRP (.img)	●		●	●
View (.vue)	●			
VITEC (.vit)	●			
Virtual Mosaic (.vmc, .vmcx)	●			

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Data Format	Direct Read	Direct Write	Import	Export
Virtual Stack (.vsk)	●			
Web Coverage Service (.wcs)	●			
Web Mapping Service (.wms)	●			

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Vector / Point Cloud / TIN / Other Formats

Data Format	Direct Read	Direct Write	Import	Export
Applanix POSEO			●	
ASCII to Annotation (.ovr)			●	
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)	●	●	●	
Hexagon Point Cloud (.hpc)	●			□
Hexagon Point Cloud proxy (.hpcp)	●			
Inpho Project (.prj)			●	●
Intergraph GeoMedia Warehouse (.gwp)	●	●	●	●
Intergraph ISAT			●	●
Leica Terrain Format (.ltx, .ltxf)	●	●		

Data Format	Direct Read	Direct Write	Import	Export
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 Spatial Feature	●		●	◆
SOCET SET Project (.prj)			●	●
Terramodel TIN Project files (.pro)	●		●	
UDS Point Cloud (.uds)	●			

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