AWARE [SYSTEMS]

Imaging expertise for the Delphi developer

Imaging / TIFF / TIFF Tag Reference / Private IFD Tags / GPS Tags

AWare Systems on-line

Contact

Information: info@awaresystems.be
Helpdesk: support@awaresystems.be
Sales: sales@awaresystems.be

TIFF Tag Reference, GPS Tags

GPS tags are used to encode positioning information, related largely to image generation by digital still cameras.

The GPS IFD is pointed to by the GPS IFD tag.

There are actually three private IFDs specified by the same Exif standard that also specifies GPS. The other two are the Exif IFD and the Interoperability IFD. For the Exif specification and other related information, see Exif.org.

Code		Name	Short description
Dec	Hex		
0	0000	GPSVersionID	Indicates the version of GPSInfoIFD.
1	0001	GPSLatitudeRef	Indicates whether the latitude is north or south latitude.
2	0002	GPSLatitude	Indicates the latitude.
3	0003	GPSLongitudeRef	Indicates whether the longitude is east or west longitude.
4	0004	GPSLongitude	Indicates the longitude.
5	0005	GPSAltitudeRef	Indicates the altitude used as the reference altitude.
6	0006	GPSAltitude	Indicates the altitude based on the reference in GPSAltitudeRef.
7	0007	GPSTimeStamp	Indicates the time as UTC

			(Coordinated Universal Time).
8	0008	GPSSatellites	Indicates the GPS satellites used for measurements.
9	0009	GPSStatus	Indicates the status of the GPS receiver when the image is recorded.
10	000A	GPSMeasureMode	Indicates the GPS measurement mode.
11	000B	GPSDOP	Indicates the GPS DOP (data degree of precision).
12	000C	GPSSpeedRef	Indicates the unit used to express the GPS receiver speed of movement.
13	000D	GPSSpeed	Indicates the speed of GPS receiver movement.
14	000E	GPSTrackRef	Indicates the reference for giving the direction of GPS receiver movement.
15	000F	GPSTrack	Indicates the direction of GPS receiver movement.
16	0010	GPSImgDirectionRef	Indicates the reference for giving the direction of the image when it is captured.
17	0011	GPSImgDirection	Indicates the direction of the image when it was captured.

18	0012	GPSMapDatum	Indicates the geodetic survey data used by the GPS receiver.
19	0013	GPSDestLatitudeRef	Indicates whether the latitude of the destination point is north or south latitude.
20	0014	GPSDestLatitude	Indicates the latitude of the destination point.
21	0015	GPSDestLongitudeRef	Indicates whether the longitude of the destination point is east or west longitude.
22	0016	GPSDestLongitude	Indicates the longitude of the destination point.
23	0017	GPSDestBearingRef	Indicates the reference used for giving the bearing to the destination point.
24	0018	GPSDestBearing	Indicates the bearing to the destination point.
25	0019	GPSDestDistanceRef	Indicates the unit used to express the distance to the destination point.
26	001A	GPSDestDistance	Indicates the distance to the destination point.
27	001B	GPSProcessingMethod	A character string recording the name of the method used for location finding.
28	001C	GPSAreaInformation	A character string recording the name of the GPS area.
29	001D	GPSDateStamp	A character

			string recording date and time information relative to UTC (Coordinated Universal Time).
30	001E	GPSDifferential	Indicates whether differential correction is applied to the GPS receiver.