

## HOWTO: Parse (Exif) Metadata From HEIF/HEIC Files

With the introduction of HEIF/HEIC codec support, we introduced HeifDecoder

HEIF has the ability to store EXIF metadata similar to jpeg and other formats.

However, our ExifParser class will not work on HEIF files. The HeifDecoder has a HeifDocument class which allows for parsing of metadata

### Example

Here is example code to parse EXIF data as ExifCollection from a HEIF/HEIC file

```
// usage: /// string inFile = @"C:\FullPath\To\your.heic"; //// ExifCollection =
ParseExifFromHeif(inFile); private static ExifCollection ParseExifFromHeif(string inHeifFile)
{ ExifCollection exifMetadata = null; HeifDecoder heifDecoder = new HeifDecoder(); using
(FileStream inStream = new FileStream(inHeifFile, FileMode.Open, FileAccess.Read,
FileShare.Read)) { if (!heifDecoder.IsValidFormat(inStream)) { // either throw an exception
throw new Exception("Input file not a valid HEIF/HEIC file"); // or return nothing // your
call //return null; } else { try { inStream.Seek(0, SeekOrigin.Begin); // must rewind
HeifDocument heifDocument = heifDecoder.GetHeifDocument(inStream, null); foreach (HeifImage
heifImage in heifDocument.HeifImages) { foreach (HeifMetadata hmd in heifImage.Metadata) { if
(hmd.Type == "Exif") { exifMetadata = hmd.AsExifCollection(); return exifMetadata; } } } }
catch (Exception ex) { // you could log here or return null or throw throw ex; } } } return
exifMetadata; }
```

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<https://www.atalasoft.com/kb2/KB/50392/HOWTO-Parse-Exif-Metadata-From-HEIFH...>