

JM_EXIF-InfoP.jsx - EXIF Metadaten in Bild schreiben

Sonntag, 28. Januar 2024 09:05

Script to stamp copyright and camera data of shot in new layer on image

| | |
|----------------|------------------------|
| Autor: | Jochen Mengel |
| Date: | January 2024 |
| Script Name: | JM_EXIF-InfoP.jsx |
| Template file: | ImageInfo_Template.psd |
| Version: | 2026-02-05 |

This script read out the EXIF Metadata from the picture and write them as a new layer on the top of the picture in Photoshop.

This initial EXIF grab script was hacked from one from the web JIMack 2008

Second part (panel) copied from <https://community.adobe.com/t5/photoshop-ecosystem-discussions/script-ui-text-field-input/td-p/12899536>

both parts are modified by Jochen Mengel

Content of this set

- "JM_EXIF-InfoP" script
- "ImageInfo_Template.psd" Template file containing a layer set with icons and required text layers

Installation:

- Copy the template file to a specific location on your drive
You need to adapt the information in the script later on to find this file

- Adapt the script with your local storage locations for (simple text editor):

| | |
|--------------|--|
| Line 24 + 25 | <pre>const _psdPath_ = "C:/FotosOrdner/!Vorlagen/BildInfo/" const _PathandpsdName_ = _psdPath_ + "/ImageInfo_Template.psd"</pre> |
|--------------|--|

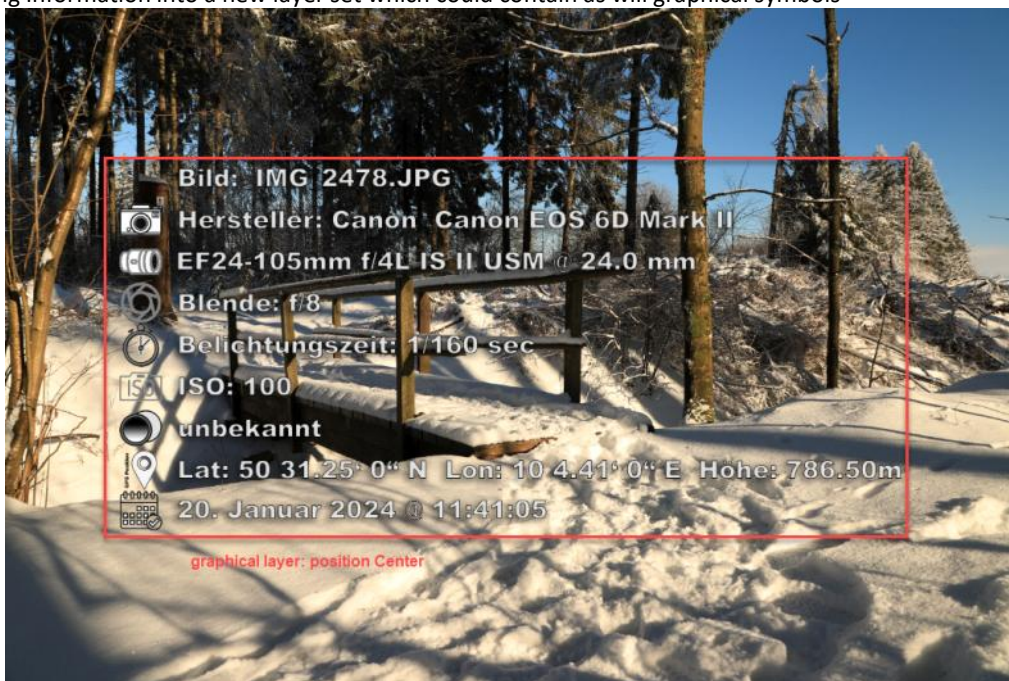
- Copy the script file "JM_EXIF-InfoP.jsx" in the Photoshop script folder (\Presets\Scripts)
e.g. "C:\Program Files\Adobe Photoshop 2025\Presets\Scripts"
To make this script visible you need to restart Photoshop in case it's already running
- Launch Photoshop and start the script by File >> Scripts >> JM_EXIF-InfoP
Make your settings in the Panel

Two options are available:

1. Writing information into a new text layer



2. Writing Information into a new layer set which could contain as will graphical symbols



Requirement:

For option 1:

only the script is required

For option 2:

A PSD template file (attached *ImageInfo_Template.psd*) is required that contains at least one layer set with the text layers you need to write the info in.

The text layers need defined names:

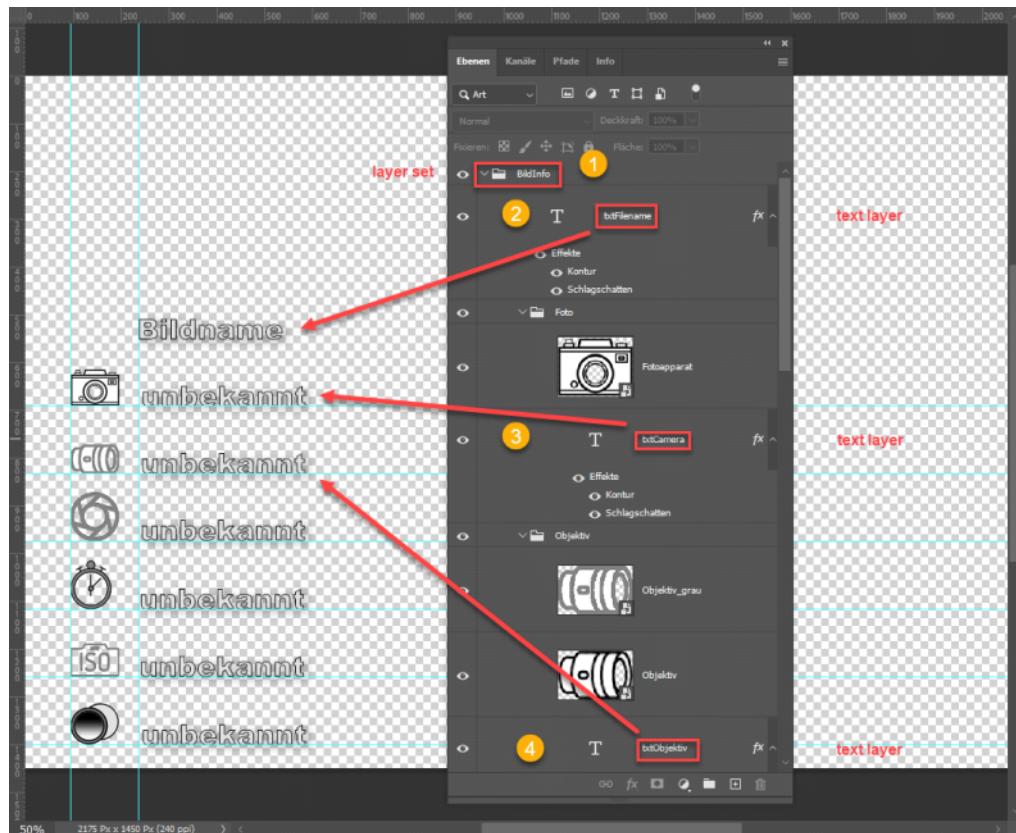
- **txtFilename** - name of the picture will be copied
- **txtCamera** - name of the camera make and model will be copied
- **txtObjektiv** - name of used lens and focus length will be copied
- **txtBlende** - used aperture value will be copied
- **txtBelichtung** - used Exposure Time will be copied
- **txtISO** - used ISO value will be copied

Additional text layer of even ico to illustrate the value can be added as well in the template

- [txtFilter] is optional text to illustrate this option in the available added template.

Sample for this template file is added: "ImageInfo_Template.psd"



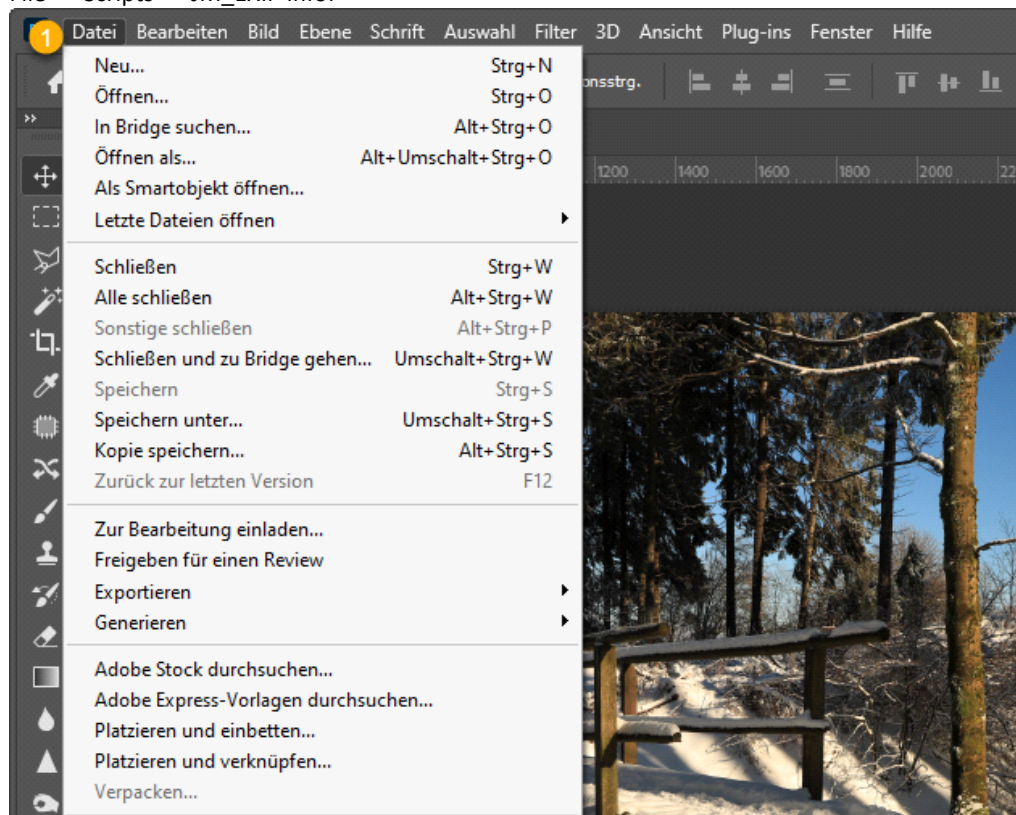


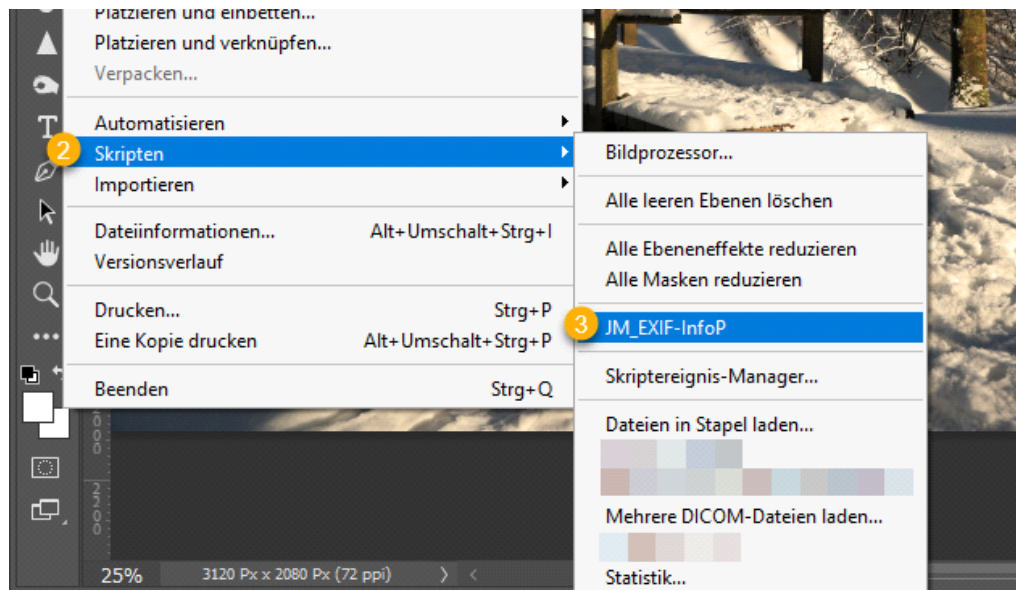
NOTE:

- the template file can adapt as you like, as long the layer set and layer names for the text layer will stay. Layer set name will be asked in the starting panel, the text layer not, so you can update the template file with more than one layer set to have the option to generate different views - keep in mind all layer set need the mentioned text layer.
- Font, size and style of the text layers can be change/modify.

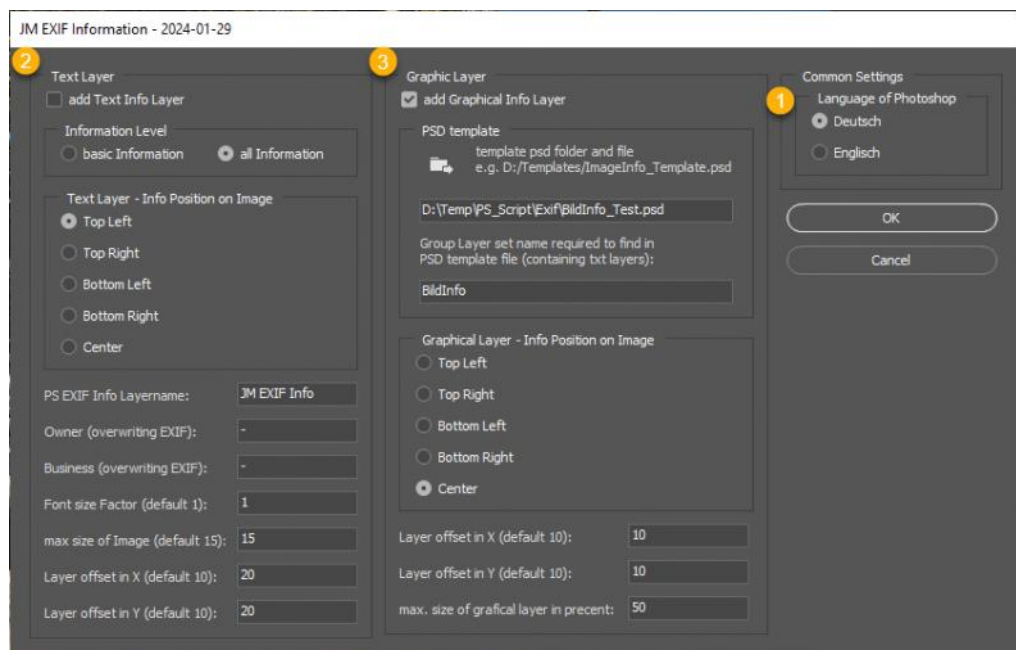
Flow:

- Open the image you like to add EXIF Meta data
- Launching the script in Photoshop
 - File >> Scripts >> JM_EXIF-InfoP





3. Make adaptations in the Panel



- (1) language setting of your Photoshop installation (German or English)
 - This is required as the EXIF metadata have different naming in English and German version of Photoshop language setting (see overview at the end of this document)
- (2) if you like to have one text layer with Information (option)
- (3) if you like to have a graphical layer with Information (option)
 - Note: you can decide if you like
 - ◆ only text layer (select (2) and unselect (3))
 - ◆ only graphical layer (unselect (2) and select (3))
 - ◆ or both text layer and graphical layer (select (2) and unselect (3))

Text layer setting:

▪ Information level

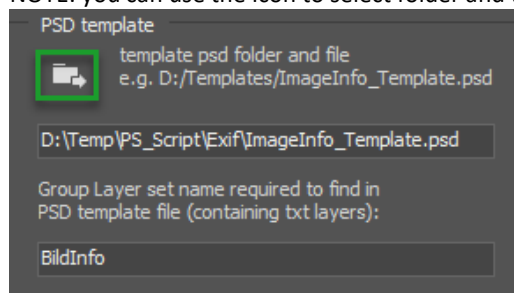
Information will only be shown, if available in image file

- basic Information:
 - ◆ File name
 - ◆ Author and date/time
 - ◆ Camera maker
 - ◆ Camera model
 - ◆ Lens and focus length
 - ◆ aperture value
 - ◆ exposure Time
 - ◆ Flash (yes/no)

- ◆ ISO
- **all Information:** basic Information plus
 - ◆ Max Fstop value of lens
 - ◆ white balance
 - ◆ exposure Bias Value
 - ◆ metering Mode
 - ◆ Ev calculation
 - ◆ GPS data (lon, lat and height)
- **Text Layer - Info Position on Image**
 - Where to place the layer with the Information?
 - ◆ Top Left (default)
 - ◆ Top Right
 - ◆ Bottom Left
 - ◆ Bottom Right
 - ◆ Center
- **PS EXIF Info Layer name**
 - How should this text layer be named in the image?
- **Owner (overwriting EXIF)**
 - As named the owner value of the pic from EXIF will be overwritten
- **Business (overwriting EXIF)**
 - As named the business value will be added beside the owner in will be added
- **Font Size Factor (default 1)**
 - influences text size 1 will use largest font 2 will half that font size
- **Max size of Image (default 15)**
 - Max size of text layer in comperision to the image
- **Layer offset in X (default 10)**
 - positions text placement offset corner in x direction of image in pixels (not used when centered)
- **Layer offset in Y (default 10)**
 - positions text placement offset corner in y direction of image in pixels (not used when centered)

Graphical layer setting:

- **template psd folder and filename**
 - Link to folder and template filename
 - NOTE: you can use the Icon to select folder and template file



- **Group Layer set name required to find in PSD template file (containing txt layers)**
 - Containing the required txt layers (if name not found value will not be shown):
 - ◆ **txtFilename** - name of the picture will be copied
 - ◆ **txtCamera** - name of the camera make and model will be copied
 - ◆ **txtObjektiv** - name of used lens and focus length will be copied
 - ◆ **txtBlende** - used aperture value will be copied
 - ◆ **txtBelichtung** - used Exposure Time will be copied
 - ◆ **txtISO** - used ISO value will be copied
 - ◆ **txtGPS** - GPS Position of image
 - ◆ **txtDateTime** - date and time of image
 - Note: in the attached template file this layer set is named "BildInfo"
- **Graphical Layer - Info Position on Image**
 - Where to place the layer with the Information?
 - ◆ Top Left
 - ◆ Top Right
 - ◆ Bottom Left
 - ◆ Bottom Right
 - ◆ Center (default)
- **Layer offset in X (default 10)**
 - positions text placement offset corner in x direction of image in pixels (not used when centered)

- **Layer offset in Y (default 10)**
 - positions text placement offset corner in y direction of image in pixels (not used when centered)
- **max. size of graphical layer in percent (default 50)**
 - Max size of graphical layer in comparison to the image

English and German wording, as well EXIF Metadata for different cameras:

| Englisch | Deutsch | Canon EOS 6D Mark II | Panasonic DMC-TZ71 | Motorola OneHyper Handy |
|------------------------|----------------------------------|--|---------------------|-------------------------|
| GPS Version | GPS-Version | 23.0.0 | | |
| GPS Latitude Ref | GPS-Referenz geografische Breite | N | | |
| GPS Latitude | GPS geografische Breite | 50.00 31.25 0.00° | | |
| GPS Longitude Ref | GPS-Referenz geografische Länge | E | | |
| GPS Longitude | GPS geografische Länge | 10.00 4.41: 0.00° | | |
| GPS Altitude Ref | GPS-Höhenreferenz | 0 | | |
| GPS Altitude | GPS-Höhe | 786.50m | | |
| GPS Time Stamp | GPS-Zeitstempel | 10:40:24 | | |
| GPS Satellites | GPS-Satelliten | 5 | | |
| GPS Status | GPS-Status | A | | |
| GPS Measure Mode | GPS-Messmethode | 3 | | |
| GPS DOP | GPS-DOP | -3 | | |
| GPS Map Datum | GPS-Kartenbezugspunkt | WGS-84 | | |
| GPS Date Stamp | GPS-Datumsstempel | 2024:01:20 | | |
| Image Width | Bildbreite | 3120 | 2368 | 4640 |
| Image Height | Bildhöhe | 2080 | 856 | 3472 |
| EXIF tag 258 | EXIF tag 258 | 8 8 8 | 888 | 888 |
| EXIF tag 262 | EXIF tag 262 | RGB | RGB | RGB |
| Make | Marke | Canon | Panasonic | motorola |
| Model | Modell | Canon EOS 6D Mark II | DMC-TZ71 | motorola one hyper |
| Orientation | Orientierung | Normal | Normal | Rotate 90 |
| EXIF tag 277 | EXIF tag 277 | 3 | 3 | 3 |
| X Resolution | x-Auflösung | 72.0 | 180.0 | 72.0 |
| Y Resolution | y-Auflösung | 72.0 | 180.0 | 72.0 |
| Resolution Unit | Auflösungseinheit | Zoll | Inches | Inches |
| Date Time | Datum/Uhrzeit | 2024:01:20 11:41:05 | 2023:11:10 14:18:15 | 2023:11:10 16:31:49 |
| Artist | Erstellt von | Jochen Mengel 35096 Weimar/Lahn | | |
| White Point | Weißpunkt | 0.3 | | |
| Primary Chromaticities | Primäre Chromatizität | 64/100 33/100 21/100 71/100 15/100 6/100 | | |
| YCbCr Coefficients | YCbCr-Koeffizienten | 299/1000 587/1000 114/1000 | | |
| yCbCr Positioning | yCbCr-Positionierung | Cosited | Cosited | |
| Copyright | Copyright | Jochen Mengel | | |
| Exposure Time | Belichtungszeit | 1/160 sec | 1/100 sec | |
| F-Stop | Blendeneinstellung | f/8 | f/3.3 | |
| Exposure Program | Belichtungsprogramm | Manuell | Normal program | |
| ISO Speed Ratings | ISO-Empfindlichkeit | 100 | 640 | |

| | | | | |
|-----------------------------|-----------------------------------|---------------------------|----------------------------|--------------------|
| EXIF tag 34864 | EXIF tag 34864 | 2 | 1 | |
| EXIF tag 34866 | EXIF tag 34866 | 100 | | |
| ExifVersion | EXIF-Version | 230 | 230 | |
| Date Time Original | Datum/Uhrzeit des Originals | 2024:01:20 11:41:05 | 2023:11:1014:18:15 | 2023:11:1016:31:49 |
| Date Time Digitized | Datum/Uhrzeit der Digitalisierung | 2024:01 :20 11:41:05 | 2023:11:1014:18:15 | 2023:11:1016:31:49 |
| Shutter Speed | Verschlussgeschwindigkeit | 1/160 sec | 1/100 sec | 1/20 sec |
| Aperture Value | Blendenvorwahl | f/8 | f/3.3 | f/1.8 |
| Exposure Bias Value | Belichtungskorrektur | 0.00 | 0.00 | 0.00 |
| Max Aperture Value | Max. Blendenwert | f/4.0 | f/3.3 | f/1.8 |
| Metering Mode | Belichtungsmessung | Muster | Pattern | Average |
| Flash | Blitz | 16 | 16 | 16 |
| Focal Length | Brennweite | 24.0 mm | 4.3 mm | 5.5 mm |
| EXIF tag 37520 | EXIF tag 37520 | 0 | | 128963 |
| EXIF tag 37521 | EXIF tag 37521 | 0 | | 128963 |
| EXIF tag 37522 | EXIF tag 37522 | 0 | | 128963 |
| FlashPix Version | FlashPix-Version | 0100 | 0100 | 0100 |
| Color Space | Farbraum | Nicht kalibriert | SRGB | SRGB |
| Pixel X Dimension | x-Maße in Pixel | 3120 | 2368 | 4640 |
| Pixel Y Dimension | y-Maße in Pixel | 2080 | 856 | 3472 |
| Focal Plane X Resolution | x-Auflösung der Brennebene | 3.336.898 | | |
| Focal Plane Y Resolution | y-Auflösung der Brennebene | 3.360.259 | | |
| Focal Plane Resolution Unit | Auflösungseinheit der Brennebene | Zoll | | |
| Custom Rendered | Eigenes Rendern | Prozess - Normal | Normal Process | |
| Exposure Mode | Belichtungsmodus | Manuell | Auto | Auto |
| White Balance | Weißabgleich | Manuell | Auto | Auto |
| Scene Capture Type | Szenenerfassungstyp | Standard | | |
| EXIF tag 42032 | EXIF tag 42032 | Jochen Mengel | | |
| EXIF tag 42033 | EXIF tag 42033 | 13021000343 | | |
| EXIF tag 42034 | EXIF tag 42034 | 24/1 | | |
| EXIF tag 42036 | EXIF tag 42036 | EF24-105mm f/4L IS II USM | | |
| EXIF tag 42037 | EXIF tag 42037 | 6223003743 | | |
| EXIF tag 42040 | EXIF tag 42240 | 22/10 | | |
| Software | Software | | Ver.1.0 | |
| Compressed Bits Per Pixel | Komprimierte Bits pro Pixel | | 4.0 | |
| Light Source | Lichtquelle | | Unknown | |
| Sensing Method | Sensortyp | | One-chip color area sensor | Unknown |
| File Source | Dateiquelle | | DSC | |
| Scene Type | Szenentyp | | Direct Photographed Image | |
| Digital Zoom Ratio | Digitales Zoomverhältnis | | 0.0 | 1.0 |
| Focal Length in 35mm Film | Brennweite bei 35-mm-Film | | 24 | 0 |
| Scene Capture Type | Szenenerfassungstyp | | Standard | Standard |
| Gain Control | Gain-Control (GC | | High Gain Up | |

| | | | | |
|--------------------------|--------------------------|--|--------|-------|
| Contrast | Kontrast | | Normal | |
| Saturation | Sättigung | | Normal | |
| Sharpness | Bildschärfe | | Normal | |
| Components Configuration | Komponentenkonfiguration | | | yCbCr |
| Brightness Value | Helligkeitswert | | | 0.00 |