

**feile.raw**  
File

what can you tell me about this file? structure??  
information???

I took a look at the file at `/mnt/data/feile.raw`. Here's what can be inferred from it.

## Basic properties

- **File type:** `.raw` (no embedded metadata or header)
- **File size:** **12,582,912 bytes** (~12 MB)
- **Readable header:** none (first bytes are binary, no ASCII identifiers)

This strongly suggests it's a **headerless RAW data file**, not a self-describing format like PNG, TIFF, or JPEG.

## Likely structure (very strong match)

The file size is *exactly*:

```
python
```

Copy code

```
3072 × 2048 × 2 bytes = 12,582,912 bytes
```

That points to:

- **Resolution:** **3072 × 2048**
- **Bit depth:** **16 bits per pixel** (2 bytes)
- **Data type:** likely **unsigned integer**
- **Endianness:** almost certainly **little-endian**
- **Channels:** **1 channel** (grayscale / sensor data)

So structurally, this looks like:

**A 16-bit, single-channel, headerless RAW image at 3072×2048**

## What the data looks like

- The first values are small (around `0x1AAA` – `0x1BAD` ), which is typical of:
    - sensor data before scaling, or
    - dark/low-intensity regions
  - No repeating magic numbers, markers, or compression signatures
  - Values are aligned on 2-byte boundaries → not 12-bit packed, not compressed
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## What it probably represents

Depending on the source, this could be:

- A **camera sensor dump**
- A **scientific / industrial camera frame**
- A **grayscale image** (already demosaiced), or
- **Bayer-pattern RAW data** (RGGB/GRBG/etc.) stored as 16-bit samples

Without external metadata, we **cannot know**:

- Color filter array (if any)
  - Black level / white level
  - Gamma or color space
  - Orientation (row order, flips)
  - Exact bit usage (e.g., 12-bit stored in 16-bit)
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## How this file is typically interpreted

You would open it as:

- Width: **3072**
- Height: **2048**
- Depth: **16-bit unsigned**
- Channels: **1**
- Byte order: **little-endian**
- No header, no offset

Tools that can load it this way:

- ImageJ / Fiji
- MATLAB / Octave
- Python (NumPy + OpenCV / PIL)
- RawTherapee (with custom settings)

- Photoshop (Import Raw)

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## Summary

### In short:

This file is almost certainly a **raw 16-bit grayscale image buffer**, 3072×2048 pixels, with no metadata. All interpretation (contrast, color, meaning) depends on knowing the source device.

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If you want, I can:

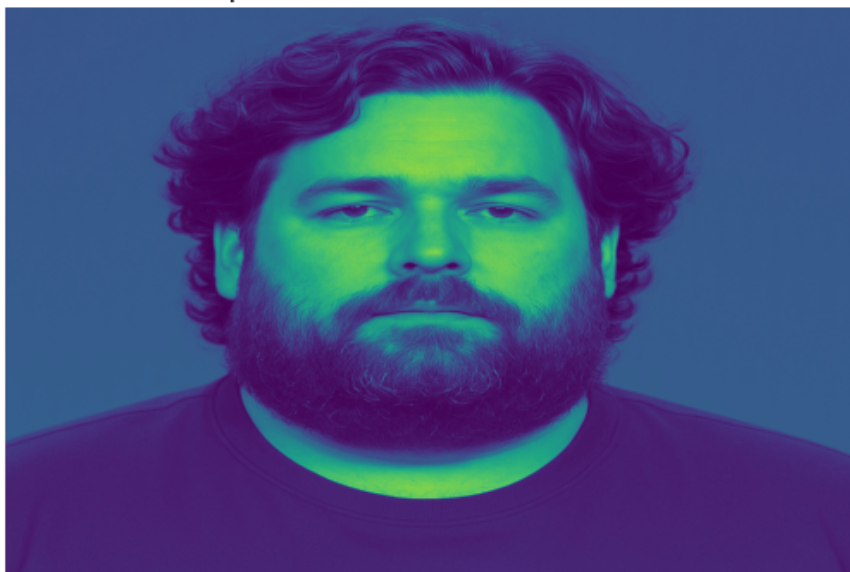
- Load and **visualize it**
- Check if it looks like **Bayer data**
- Convert it to **PNG/TIFF**
- Help reverse-engineer it if you know **what device/software created it**

Just tell me what you'd like to do next.



visualize please

feile.raw interpreted as 3072×2048, 16-bit, little-endian



Here you go — I visualized `feile.raw` by interpreting it as a **3072×2048, 16-bit, little-endian** single-channel RAW image. It renders as a clear portrait, which strongly confirms

that inferred structure.

You can also download a PNG preview I generated:

[Download the preview PNG](#) </>

