

The High-Signal Photo Selection Checklist

A Caretaker's Guide to Auditing Archives for Precision Reminiscence

Standard digital photos contain environmental clutter and visual noise that cause intellectual fatigue and senior agitation. Use this technical audit to isolate images that satisfy the clinical parameters of dementia-friendly visual processing.

1. Structural Sharpness Audit

- **Resolution Threshold:** Verify source file is minimum 300 DPI or native camera resolution. Reject low-resolution web screenshots that create pixelated artifacts or blurry vectors upon conversion.
- **Edge Definition:** Ensure primary facial structures (eyes, nose, mouth) possess distinct boundaries. Avoid motion-blurred photographs or images with intense lens flare that obscures authentic identity.

2. Luminance & Contrast Evaluation

- **Shadow Seclusion:** Scan for deep shadows cast across facial regions. Strong geometric shadows degrade the precision of black-and-white vector generation and split the subject into unrecognizable parts.
- **Exposure Verification:** Eliminate overexposed white backlighting or underexposed elements that fuse the subject with dark surroundings. The image must allow for clear mathematical edge detection.

3. Subject Isolation Framework

- **Single Focal Point:** Prioritize close-up portraits featuring a single human subject. Multiple faces or crowded group dynamics induce visual agnosia and create selection fatigue for the user.
- **Background Disruption:** Verify background text, busy wallpaper patterns, and peripheral items can be isolated and removed cleanly. High-contrast foreground-to-background separation ensures an effective "Subject Spotlight" extraction.

Parameter	Acceptable Signal	Rejection Trigger
Resolution	300 DPI scan or original mobile capture	Compressed web screenshot or fuzzy thumbnail
Facial Details	Unobstructed facial structures under flat light	Deep geometric shadows intersecting eyes/mouth
Composition	Isolated single subject or prominent object	Crowded multi-person group scene with small faces