

AI Authentication Test Images - Summary

Purpose

This collection contains test images for validating the Genesis Provenance AI authentication system's ability to detect authenticity markers and counterfeit indicators in luxury watches.

SET 1: AUTHENTIC LUXURY WATCHES

authentic_watch_1.jpg

Description: Full front view of authentic 2020 Rolex Submariner Reference 124060

Key Authenticity Markers:

- Sharp, crisp dial printing with perfect alignment
- Precise bezel markings with clean ceramic insert
- Correct proportions and case finishing
- High-quality luminous markers with consistent application
- Proper Rolex crown logo with fine detail
- Correct font weight and spacing on all text

AI Detection Points:

- Brand logo clarity and positioning
 - Text sharpness and font accuracy
 - Bezel alignment and quality
 - Overall image quality indicating genuine craftsmanship
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authentic_watch_2.jpg

Description: Close-up of Rolex Submariner 116610 dial showing serial number and rehaut engraving

Key Authenticity Markers:

- Laser-engraved rehaut (inner bezel ring) with "ROLEX ROLEX ROLEX" pattern
- Serial number visible between lugs
- Crisp, deep engraving with consistent depth
- Perfect alignment of rehaut engraving with dial markers
- High-quality dial finish with no imperfections

AI Detection Points:

- Serial number pattern recognition
 - Rehaut engraving quality and alignment
 - Text detection for "ROLEX" repetition pattern
 - Engraving depth and precision
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authentic_watch_3.jpg

Description: Close-up of Rolex Submariner dial showing rehaut and detailed markings

Key Authenticity Markers:

- Perfectly aligned rehaut engraving
- Sharp, clear dial text with correct font
- High-quality luminous hour markers
- Correct spacing between dial elements
- Flawless dial surface finish
- Proper cyclops magnification over date window

AI Detection Points:

- Rehaut alignment precision
 - Font accuracy and weight
 - Dial surface quality
 - Marker alignment and consistency
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authentic_watch_4.jpg

Description: Rolex Submariner 5513 movement (caliber) showing internal mechanism

Key Authenticity Markers:

- High-quality Swiss movement with fine finishing
- Precise gear work and component placement
- Clean, professional assembly
- Proper Rolex movement markings
- High-grade materials and finishing techniques
- Consistent component quality throughout

AI Detection Points:

- Movement finishing quality
 - Component precision and alignment
 - Material quality indicators
 - Professional assembly markers
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SET 2: COUNTERFEIT/FAKE LUXURY WATCHES

fake_watch_1.jpg

Description: Comparison image showing real vs fake Rolex Submariner 126610LN

Key Counterfeit Indicators:

- Side-by-side comparison highlighting differences
- Fake shows inferior finishing quality
- Incorrect proportions or spacing
- Lower quality materials visible
- Potential color differences in dial or bezel

AI Detection Points:

- Comparative analysis capability
- Quality differential detection

- Proportion and spacing accuracy
 - Material quality assessment
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fake_watch_2.jpg

Description: Close-up comparison of Rolex Sea-Dweller Deepsea bezel dot (real vs fake)

Key Counterfeit Indicators:

- Fake bezel dot shows poor luminous material application
- Incorrect color or glow quality
- Uneven filling or overflow
- Lower quality ceramic bezel insert
- Misaligned or poorly executed details

AI Detection Points:

- Luminous material quality
 - Bezel insert precision
 - Detail execution quality
 - Material consistency
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fake_watch_3.jpg

Description: Dial comparison showing real vs fake Rolex dial details

Key Counterfeit Indicators:

- Incorrect font weight or style
- Poor printing quality with fuzzy edges
- Misaligned text or markers
- Incorrect spacing between elements
- Lower quality dial finish
- Improper luminous material application
- Color inconsistencies

AI Detection Points:

- Font accuracy detection
 - Text edge sharpness
 - Alignment precision
 - Print quality assessment
 - Color consistency analysis
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fake_watch_4.jpg

Description: Fake Rolex Daytona showing multiple counterfeit tells

Key Counterfeit Indicators:

- Improper sub-dial spacing
- Incorrect font usage on dial
- Wrong sizing of dial elements
- Potential misspellings or text errors

- Poor overall finishing
- Incorrect proportions

AI Detection Points:

- Sub-dial spacing accuracy
- Font recognition and validation
- Proportional analysis
- Text accuracy verification
- Overall layout consistency

KEY DIFFERENCES SUMMARY

Authentic Watches Show:

1. **Sharp, Precise Text:** All text is crisp with perfect edges and correct fonts
2. **Perfect Alignment:** All elements (markers, text, bezels) are precisely aligned
3. **High-Quality Materials:** Superior finishing, consistent quality throughout
4. **Correct Proportions:** All elements sized and spaced according to specifications
5. **Professional Craftsmanship:** Evidence of precision manufacturing and assembly
6. **Proper Serial Numbers:** Correctly formatted and positioned serial numbers
7. **Quality Engravings:** Deep, consistent rehaut and caseback engravings

Counterfeit Watches Show:

1. **Fuzzy or Blurred Text:** Poor printing quality with soft edges
2. **Misalignment:** Markers, text, or bezels not properly aligned
3. **Inferior Materials:** Lower quality finishing, inconsistent application
4. **Incorrect Proportions:** Wrong sizing or spacing of elements
5. **Poor Craftsmanship:** Evidence of rushed or low-quality manufacturing
6. **Wrong/Missing Serial Numbers:** Incorrect format or positioning
7. **Shallow/Poor Engravings:** Weak or inconsistent engraving quality

AI AUTHENTICATION TESTING CHECKLIST

Use these images to validate the AI system’s ability to detect:

- [] Brand logo clarity and authenticity
- [] Text sharpness and font accuracy
- [] Serial number pattern recognition
- [] Alignment precision of all elements
- [] Material quality indicators
- [] Engraving depth and consistency
- [] Overall craftsmanship quality
- [] Proportional accuracy
- [] Color consistency
- [] Finishing quality

RECOMMENDED TESTING APPROACH

1. **Upload authentic images first** to establish baseline quality markers
 2. **Upload counterfeit images** to test detection of fake indicators
 3. **Compare AI confidence scores** between authentic and fake sets
 4. **Validate specific detection points** (fonts, alignment, quality)
 5. **Test edge cases** where counterfeits are high-quality replicas
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EXPECTED AI BEHAVIOR

For Authentic Watches:

- High confidence scores (>85%)
- Detection of quality markers
- Recognition of proper fonts and alignment
- Identification of genuine serial number patterns

For Counterfeit Watches:

- Lower confidence scores (<60%)
 - Flagging of quality issues
 - Detection of font/text inconsistencies
 - Identification of alignment problems
 - Recognition of poor finishing quality
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Platform: Genesis Provenance AI Authentication System

Category: Luxury Watches (Rolex Submariner focus)