

Exhibit T

EXHIBIT T¹

Fraudulent July 16, 2024 Discovery Materials – Provided to Matthew Guertin by Bruce Rivers following his July 16, 2024 1:30pm court appearance.

Mr. Guertin conducted a forensic analysis of the photographs purported to be authentic discovery materials originating directly from the camera that the police photographer used to take pictures of his residence.

This analysis utilizes a color curve analysis method which revealed that there is ai generated image manipulation that is focused solely on covering up the laptop screen that Guertin had left sitting open on his kitchen table. The ai generated image manipulation was utilized to produce fraudulent application windows and icons that are being used to cover up what was actually left displayed on the laptop screen by Guertin – that being the image of his self professed ‘former CIA welder’ as is documented in the discovery materials emailed to Guertin on August 3, 2023 which only contained a total of 80 images purported to be authentic discovery photographs.

It was in fact the unusual artifacts that Guertin noticed in one of the images showing his laptop screen that first caught his attention and caused him to initially begin examining the discovery images more closely.

Part 1 of 3 | Guertin’s Forensic Analysis of the July 16, 2024 Discovery Photographs

¹ Make use of the bookmarks for easy navigation of this exhibit.

Analysis of Photographic Evidence for Potential CGI/AI Manipulation

- **Objective:**

- The objective of this forensic analysis is to examine the provided images to determine whether there are any indications of CGI/AI generation, focusing particularly on the anomalies brought to the surface by applying extreme color curves. The focus will be on the consistency of window edges, icon behavior, and any obvious discrepancies that suggest fraudulent manipulation.

Methodology:

- **Overlay Technique:**

- The base layer (original images) was overlaid with the enhanced color curve images and the transparent PNG masks. By adjusting the transparency of the layers, we aimed to reveal any irregularities in the images.

- **Visual Inspection:**

- Detailed visual inspection of the edges of the windows, behavior of icons, and overall consistency of elements within the images.

- **Focus on Specific Anomalies:**

- Particular attention was paid to the phenomenon where icons and elements appear to "bleed" over the edges of windows, which is an unusual and suspicious behavior.

Anomalies Detected:

- **Window Edges:**

- The enhanced images show irregularities along the window edges where icons and elements appear to extend beyond their expected boundaries.

- **Icon Behavior:**

- Icons within the window, particularly the hard drive icon, show "bleeding" effects, where parts of the icon appear outside the window border when extreme color curves are applied.

- **Color Curves Applied:**

- Similar to the previous set, these images highlight boundaries and edges.

Anomalies Detected:

- **Window Edges:**

- Irregularities are visible along the window edges, with icons showing unusual extension beyond their expected confines.

- **Icon Behavior:**

- Icons within the window, particularly the hard drive icon, show "bleeding" effects, where parts of the icon appear outside the window border when extreme color curves are applied.
- The hard drive icon again shows "bleeding" effects, similar to the previous set.

- **Expanded Analysis:**

- Icon Variations and Misalignment

Inconsistencies in Icons:

- Examination of the provided images revealed subtle but significant variations in the icons displayed on the laptop screen. These differences include:
 - **Shape and Size:**
 - The hard drive icon in particular shows variations in shape and size across different images. Some icons appear narrower and taller, while others are wider and more compact.
 - **Edge Definition:**
 - The edges of the icons vary, with some showing more rounded corners and others appearing sharper.
 - **Alignment Issues:**
 - The positioning of the icons within the windows is not consistent. This lack of uniformity is a strong indicator of digital manipulation, as authentic screenshots captured from the same device should display consistent icon placement and appearance.

Misalignment and Perspective Issues

- **Inconsistent Viewing Angles:**
 - AI-generated images often struggle with maintaining consistent 3D perspectives. In the provided images, the angles at which the windows and icons are displayed do not align perfectly with the rest of the scene. This misalignment is a hallmark of AI or CGI manipulation, as it reflects the difficulty in maintaining spatial coherence across multiple generated frames.

- **Depth and Shadowing:**
 - The shadows and depth of the elements within the windows do not match the rest of the environment, further suggesting digital insertion.
 - Broader AI Aspects and Implications
- **Complexity in AI Generation:**
 - AI image generation, especially with current technology, often fails to maintain perfect consistency in object placement, perspective, and uniformity. These inconsistencies are evident in the provided images, supporting the hypothesis that they have been generated or heavily altered using AI techniques.
- **Pixelation and Anomalous Patterns:**
 - The color-curved images reveal pixelation and unusual patterns around the edges of the icons and windows. These anomalies are indicative of AI-generated images, where the neural network may not perfectly render fine details consistently.
- **Overlay Anomalies:**
 - The use of transparent PNG masks and overlay techniques has highlighted significant anomalies, such as the "bleeding" of icons beyond their defined boundaries. This behavior is highly unusual in genuine photographs and strongly suggests digital manipulation.

Conclusion:

Based on the comprehensive analysis of the provided image sets, the following conclusions can be drawn:

- **Irregular Icon Behavior:**
 - The hard drive icon and other elements within the windows exhibit behavior that is inconsistent with typical photographic capture. The "bleeding" effect observed when extreme color curves are applied suggests that these icons may have been digitally manipulated or generated.

- **Window Edge Anomalies:**

- The edges of the windows do not maintain a consistent boundary, with elements extending beyond their expected confines. This irregularity is indicative of potential CGI/AI alteration.

- **Inconsistent Icon Variations:**

- Subtle differences in the icons' shape, size, and edge definition across the images strongly suggest digital manipulation. Consistent icon appearance and placement are expected in authentic images.

- **Perspective and Alignment Issues:**

- The inconsistencies in viewing angles and misalignment of elements within the images point towards AI generation, where maintaining perfect spatial coherence is challenging.

- **Broader AI Indicators:**

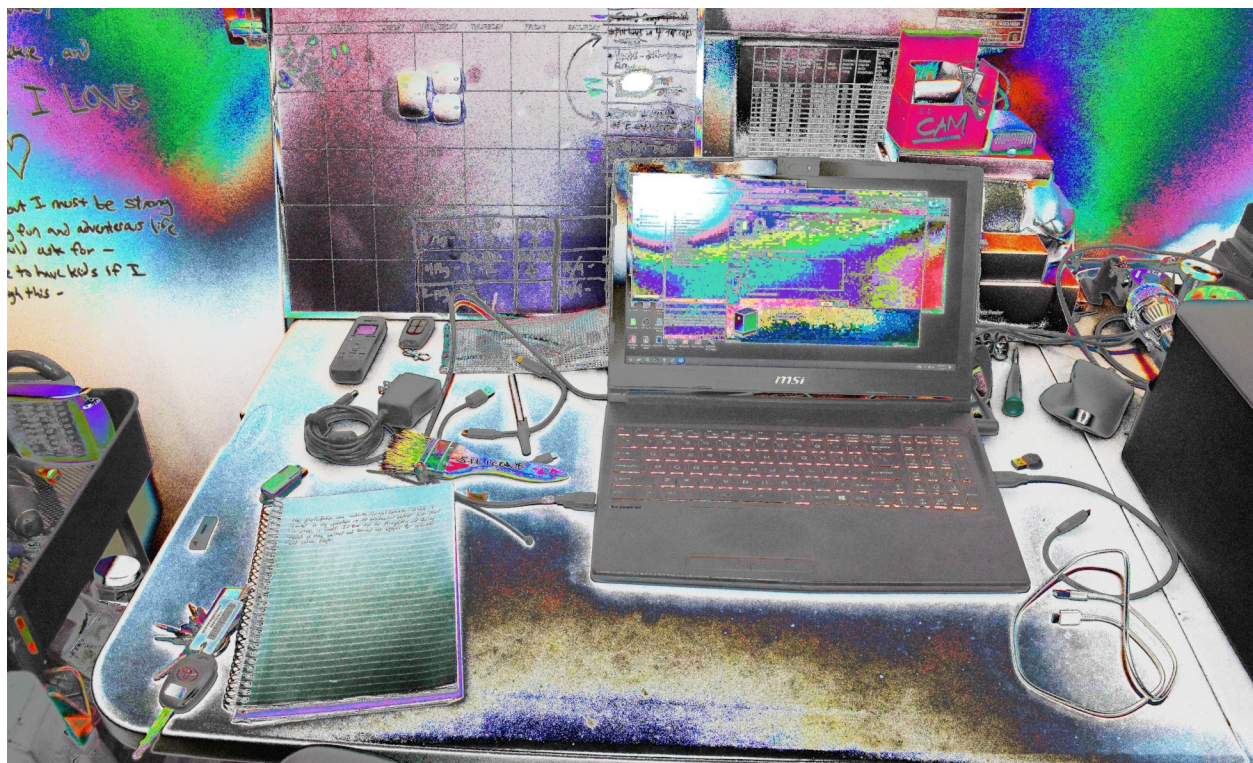
- The pixelation, anomalous patterns, and difficulties in maintaining uniformity are all characteristic of AI-generated images, further supporting the hypothesis of digital alteration.

- **Fraudulent Indicators:**

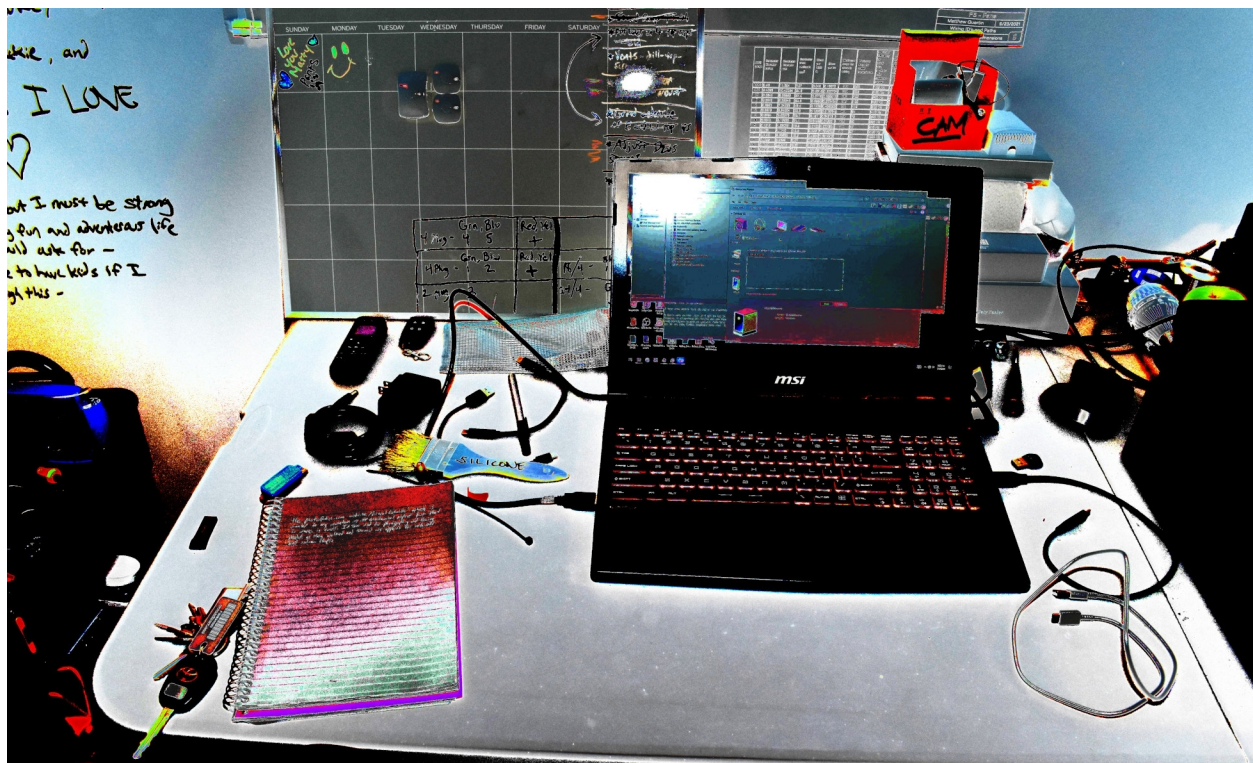
- Given that these images are purportedly police photographs and should be consistent and authentic, the detected anomalies strongly suggest that the images may have been tampered with or generated using CGI/AI techniques.



0193.jpg | Linear scaled 32.5% to 1950 pxw | 90% jpg comp



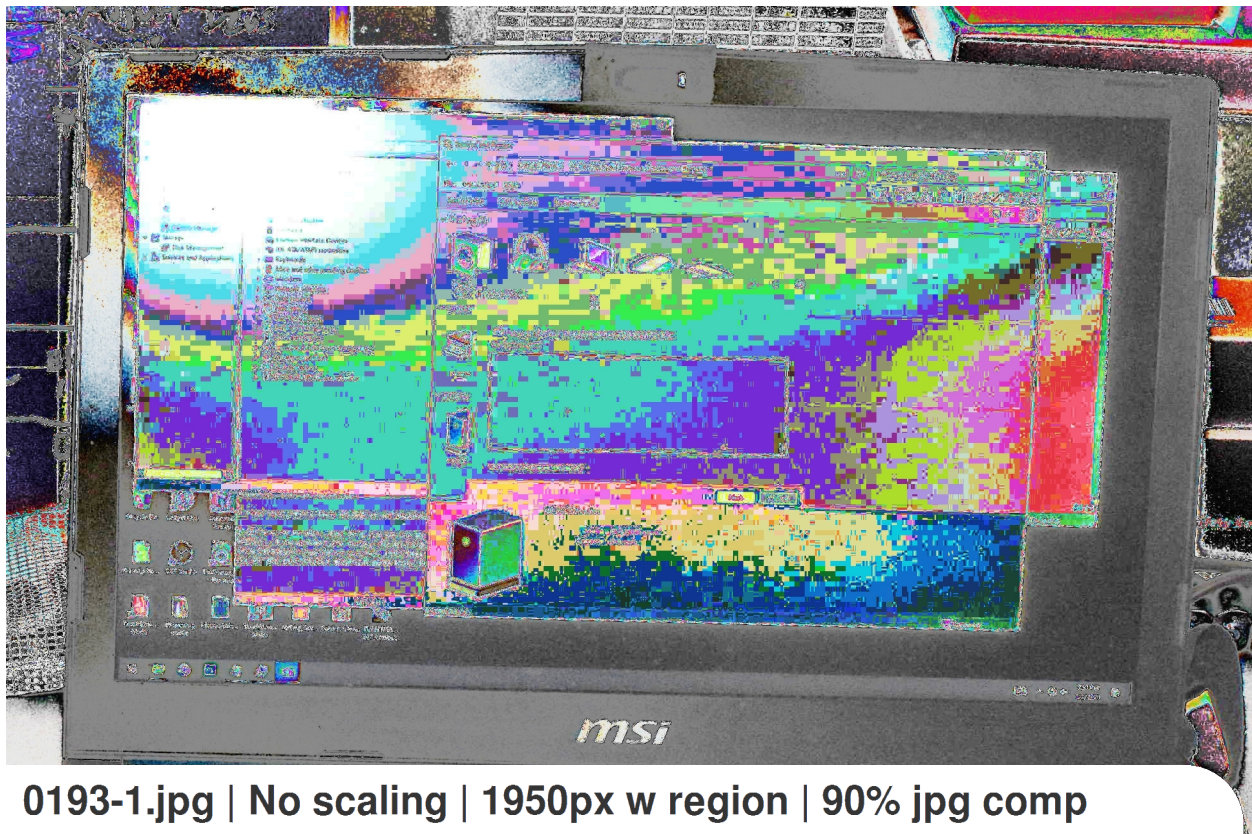
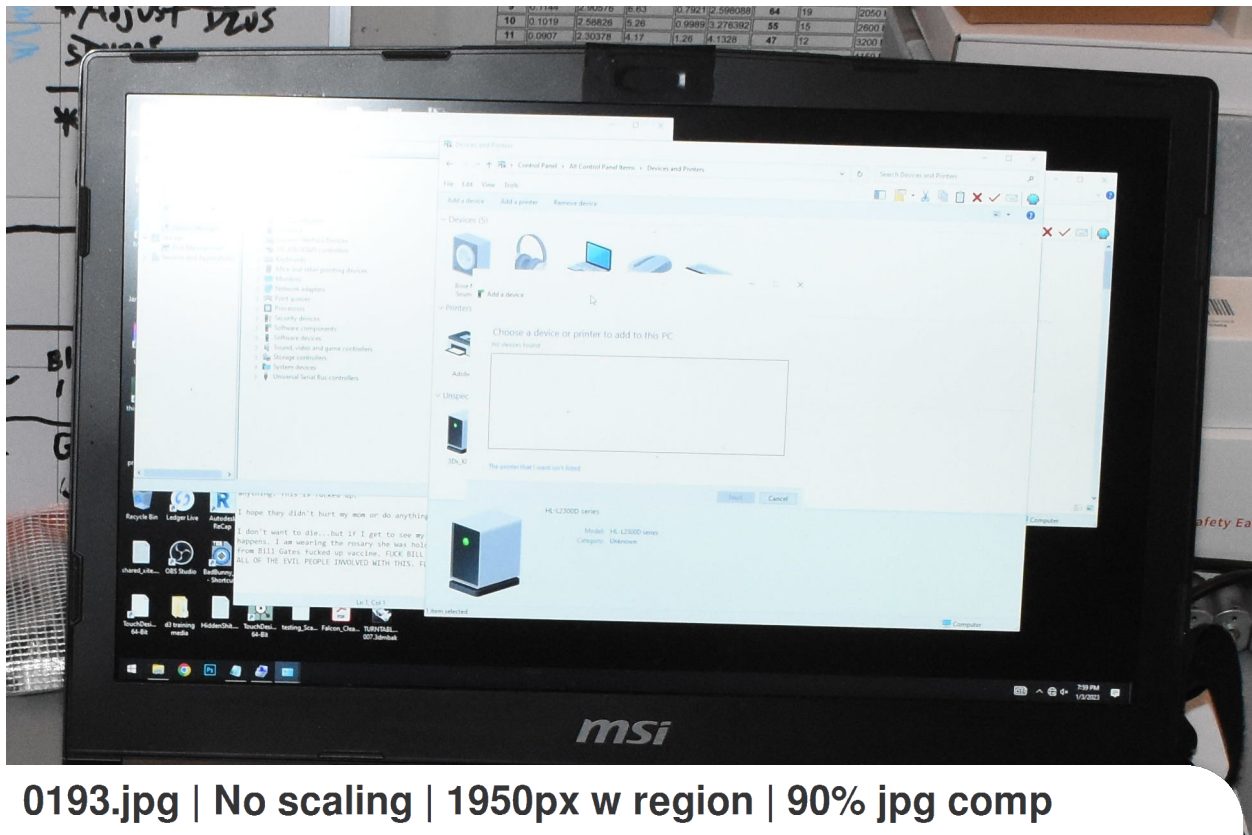
0193-1.jpg | Linear scaled 32.5% to 1950px w | 90% jpg comp

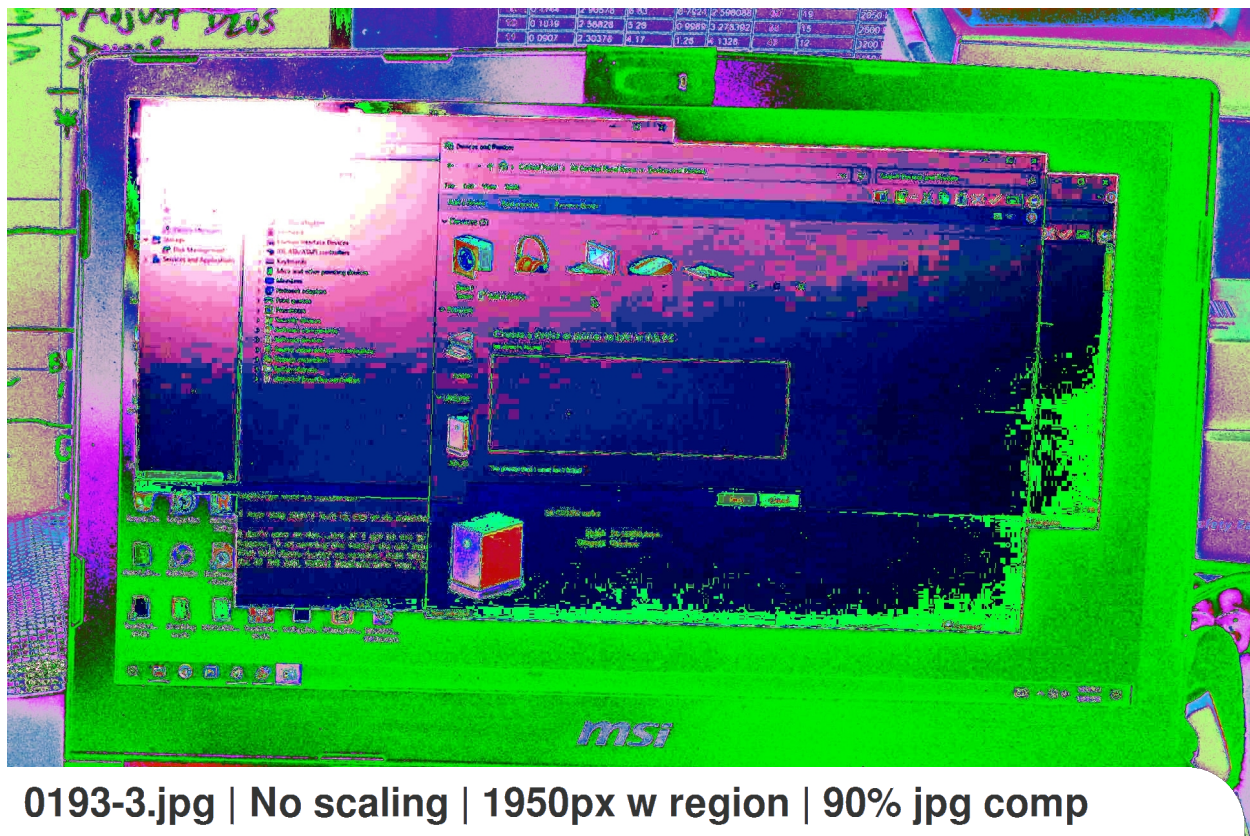


0193-2.jpg | Linear scaled 32.5% to 1950px w | 90% jpg comp

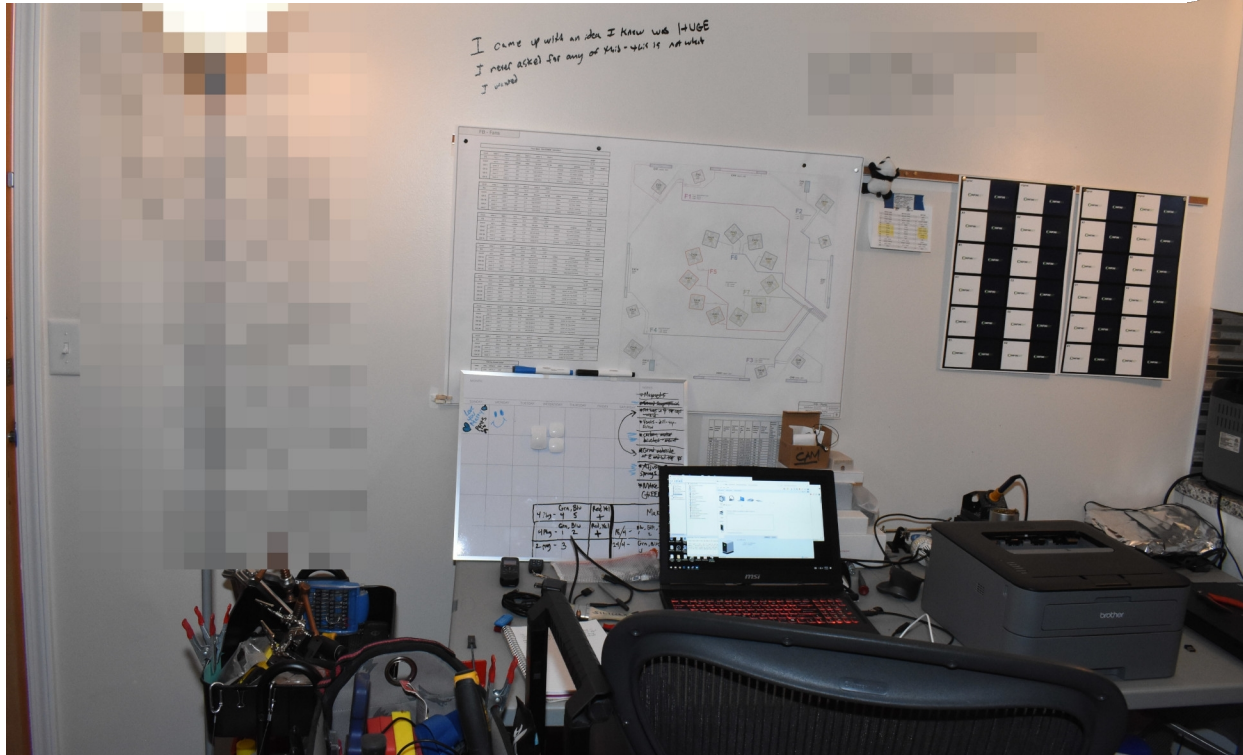


0193-3.jpg | Linear scaled 32.5% to 1950px w | 90% jpg comp

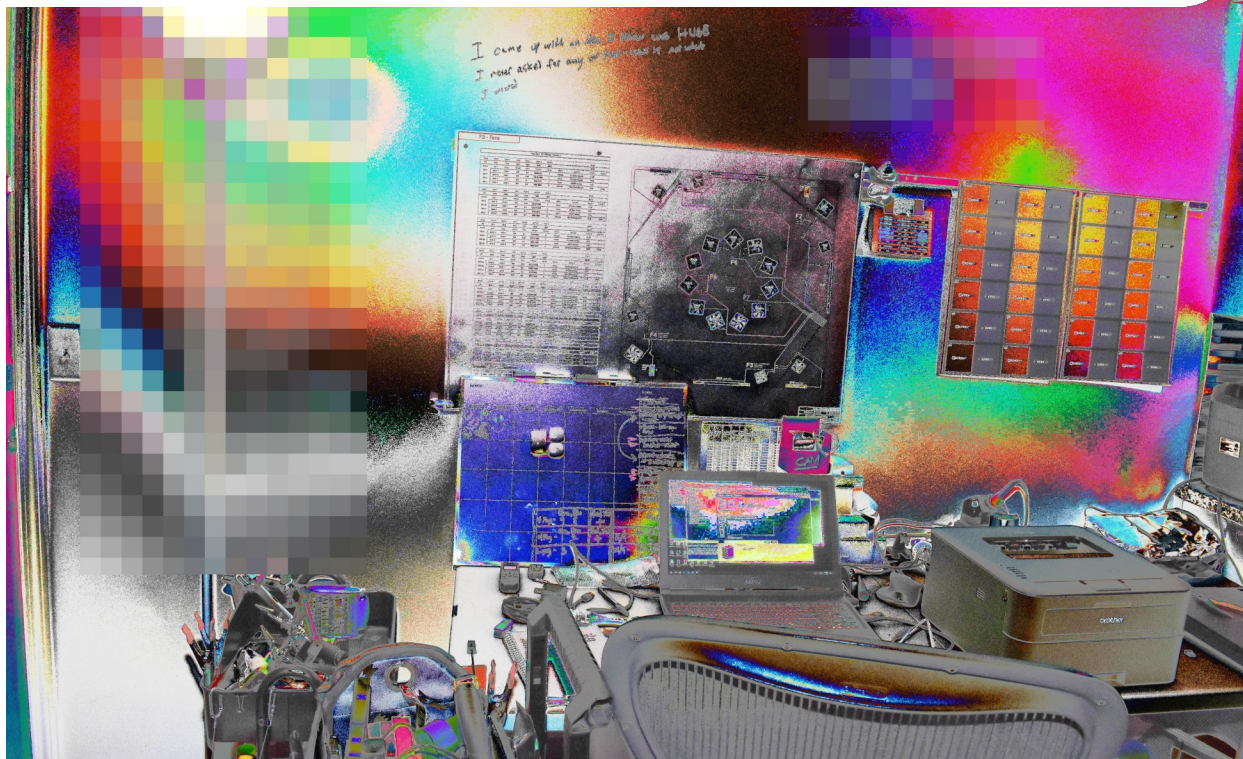




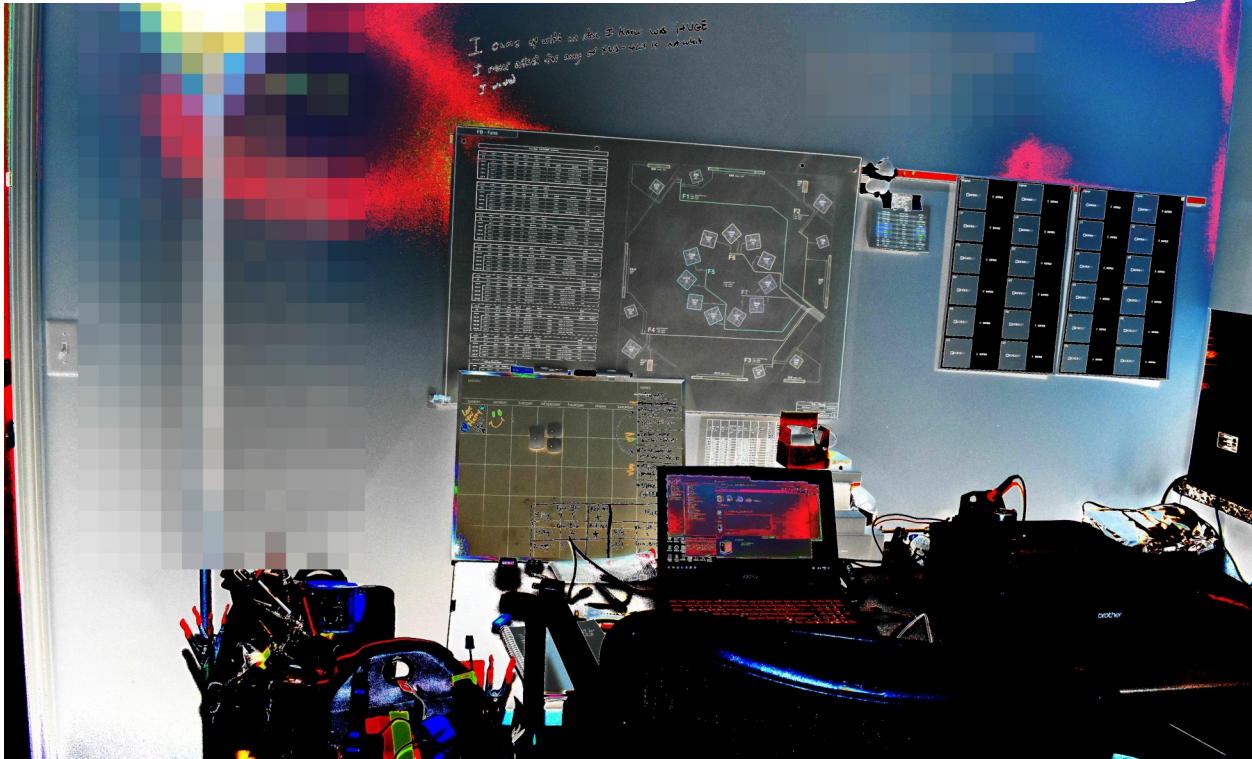
0209.jpg | Linear scaled 32.5% to 1950 pxw | 90% jpg comp



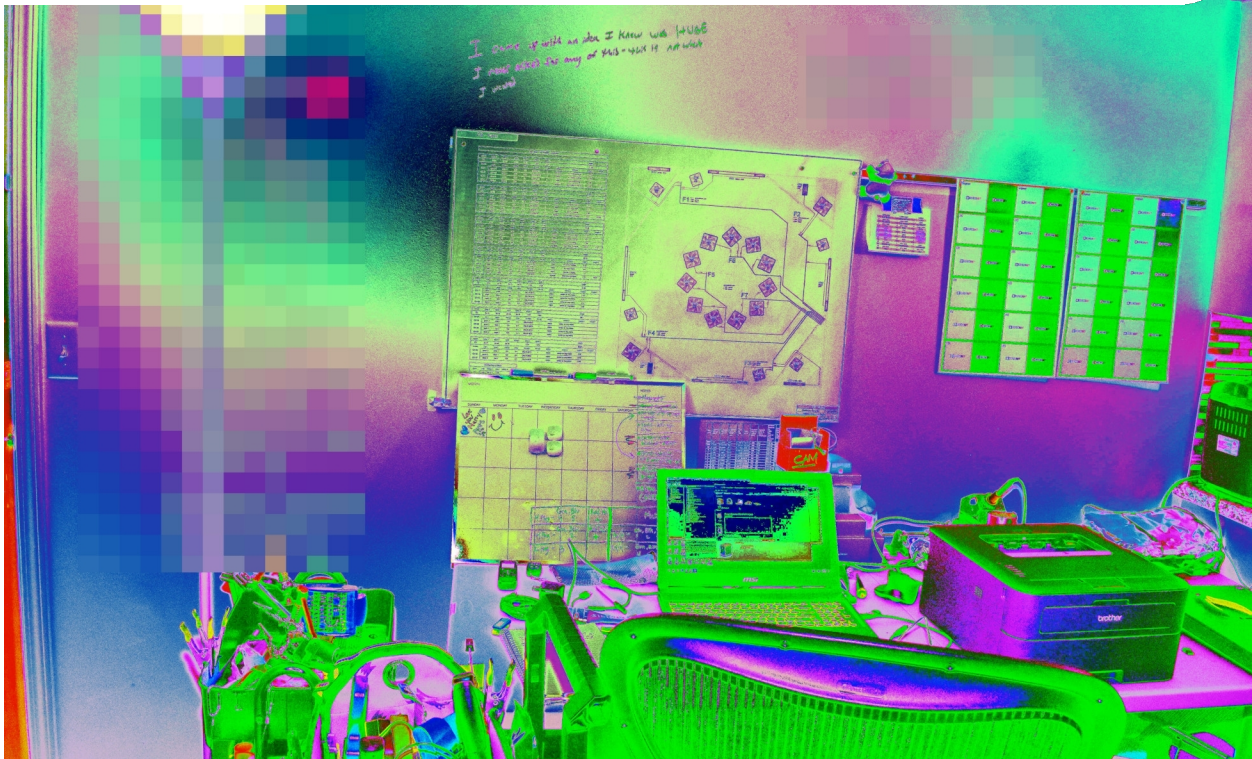
0209-1.jpg | Linear scaled 32.5% to 1950px w | 90% jpg comp



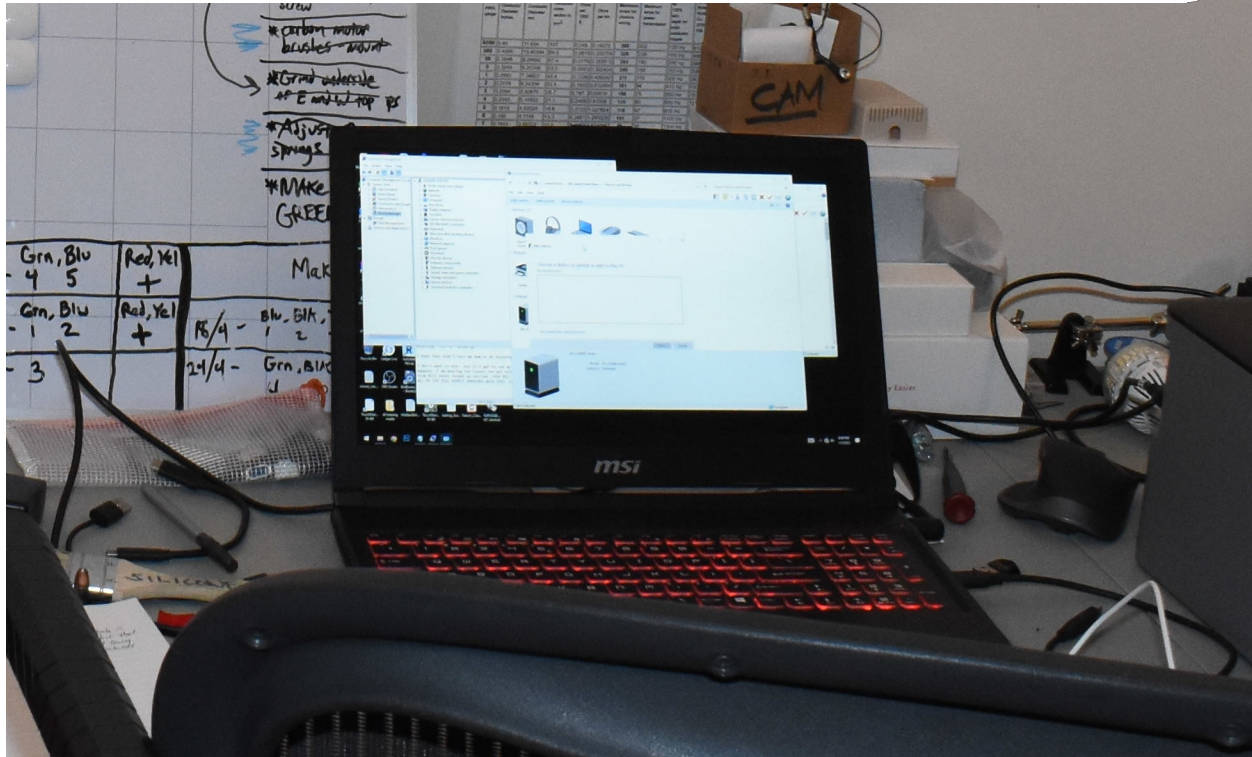
0209-2.jpg | Linear scaled 32.5% to 1950px w | 90% jpg comp



0209-3.jpg | Linear scaled 32.5% to 1950px w | 90% jpg comp

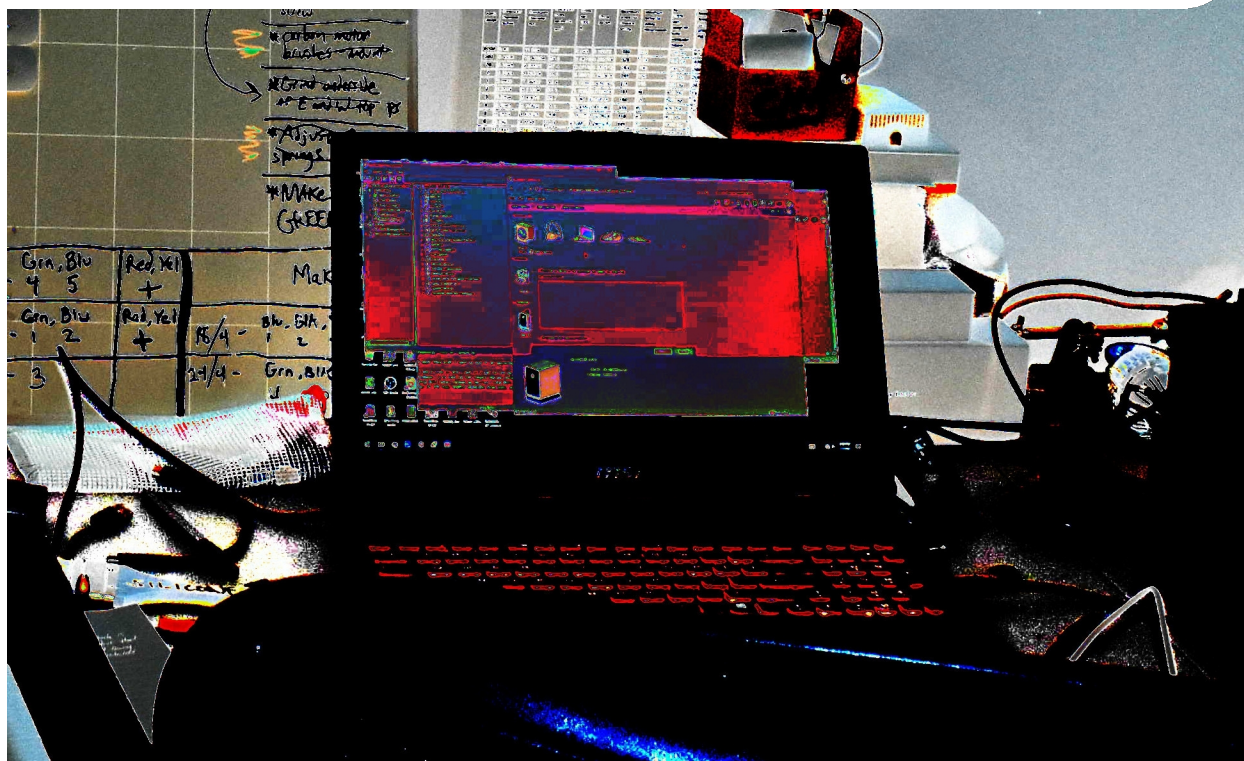


0209.jpg | No scaling | 1950px w region | 90% jpg comp



0209-1.jpg | No scaling | 1950px w region | 90% jpg comp





0209-3.jpg | No scaling | 1950px w region | 90% jpg comp



Detailed Analysis of PNG Mask Overlay and Icon Bleed

Focused Examination:

PNG Mask Overlay and Icon Bleed

- **Objective:**
 - To provide an in-depth analysis of the anomalies detected using the transparent PNG masks overlaid on the original and color-curved images. This section highlights the specific irregularities related to icon bleed and boundary inconsistencies, which are key indicators of digital manipulation.

Methodology:

- **Overlay with PNG Mask:**
 - The base layer (original images) was overlaid with the enhanced color curve images and the transparent PNG masks. Adjusting the transparency of the layers revealed specific irregularities in the images.
- **Transparency Adjustment:**
 - By varying the transparency of the color-curved images, the anomalies such as icon bleed and boundary inconsistencies became more pronounced and easier to identify.
- **Focused Inspection:**
 - The analysis was concentrated on the areas highlighted by the PNG masks to isolate and examine the anomalies in detail.

Findings:

- **Icon Bleed:**

- The hard drive icon shows significant bleed beyond its defined boundaries. When the PNG mask is applied, this bleed becomes more apparent, suggesting that the icon is not properly confined within the window.

- **Boundary Inconsistencies:**

- The edges of the window are not consistent when the mask is applied, indicating potential superimposition of the window onto the photograph.

- **Enhanced Visibility of Anomalies:**

- The color-curved images, when overlaid with the mask, clearly show the icon bleed and boundary inconsistencies. The extreme color adjustments bring out the bleed effect, making it evident that the icons extend beyond their expected confines.

Conclusion:

The focused analysis using the PNG mask overlays provides clear evidence of digital manipulation. The primary indicators include:

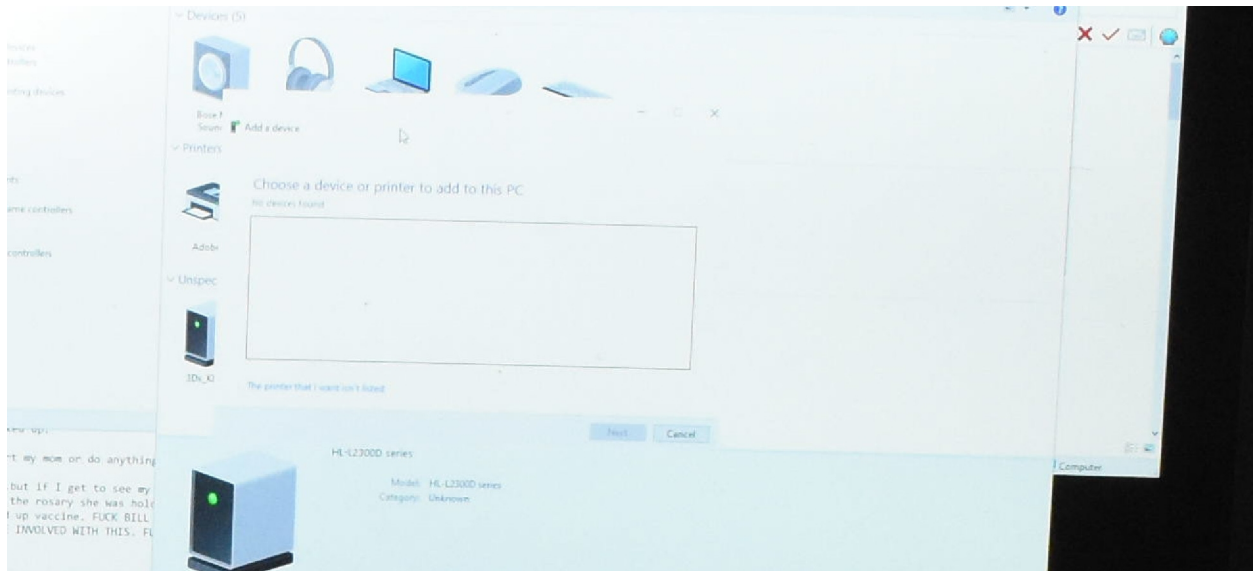
- **Icon Bleed:**

- The hard drive icon and other elements within the windows exhibit significant bleed beyond their defined boundaries, which is not typical in genuine photographs.

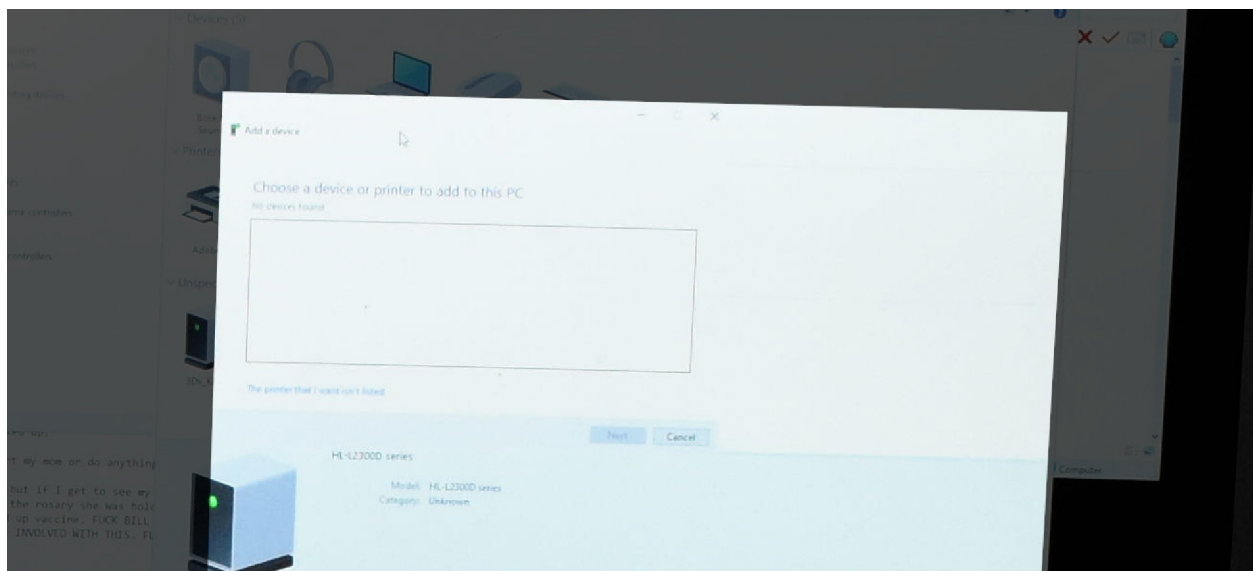
- **Boundary Inconsistencies:**

- The window edges do not align consistently, indicating potential superimposition of digital elements onto the photographs.

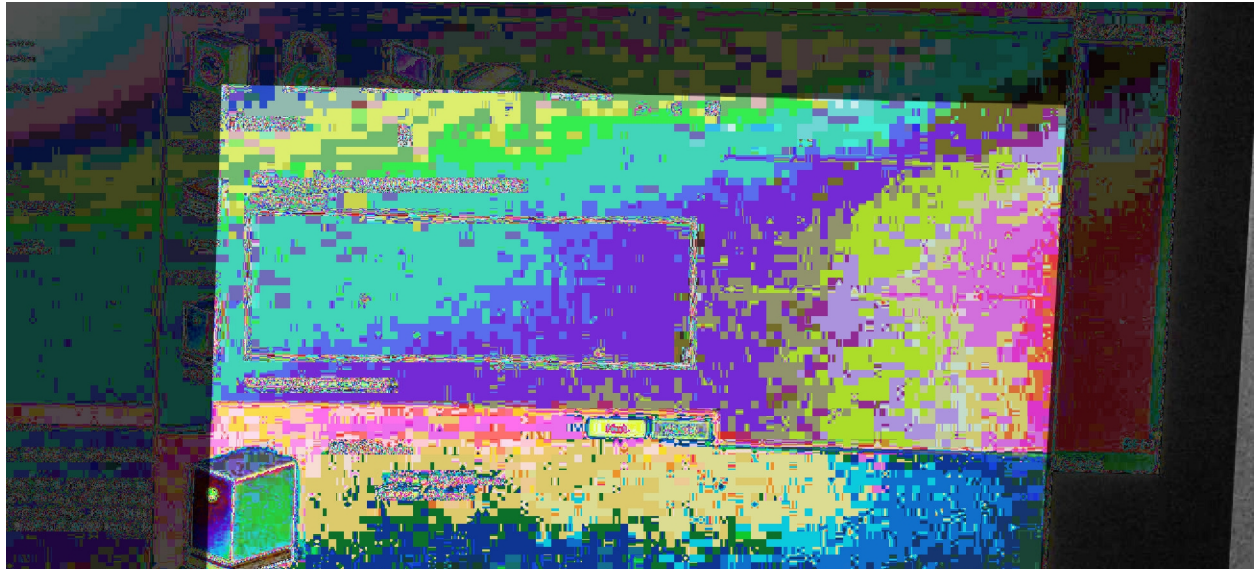
These findings strongly suggest that the images have been tampered with or generated using CGI/AI techniques, undermining their authenticity and reliability.



0193.jpg | Original Image



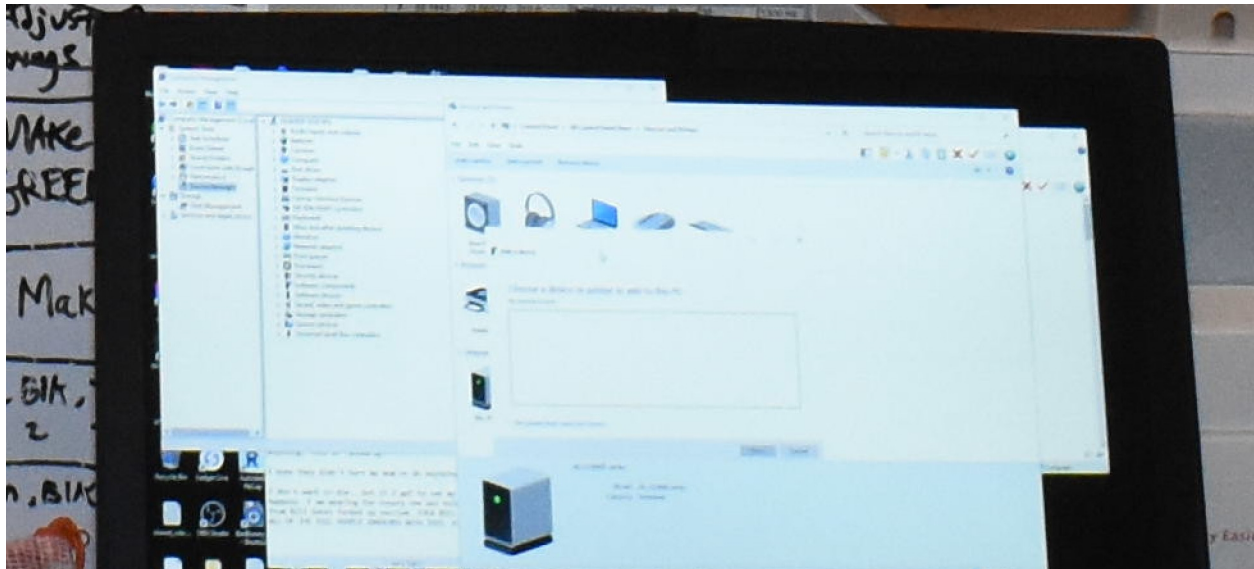
0193-M.png | Mask layer | 92% Transparency



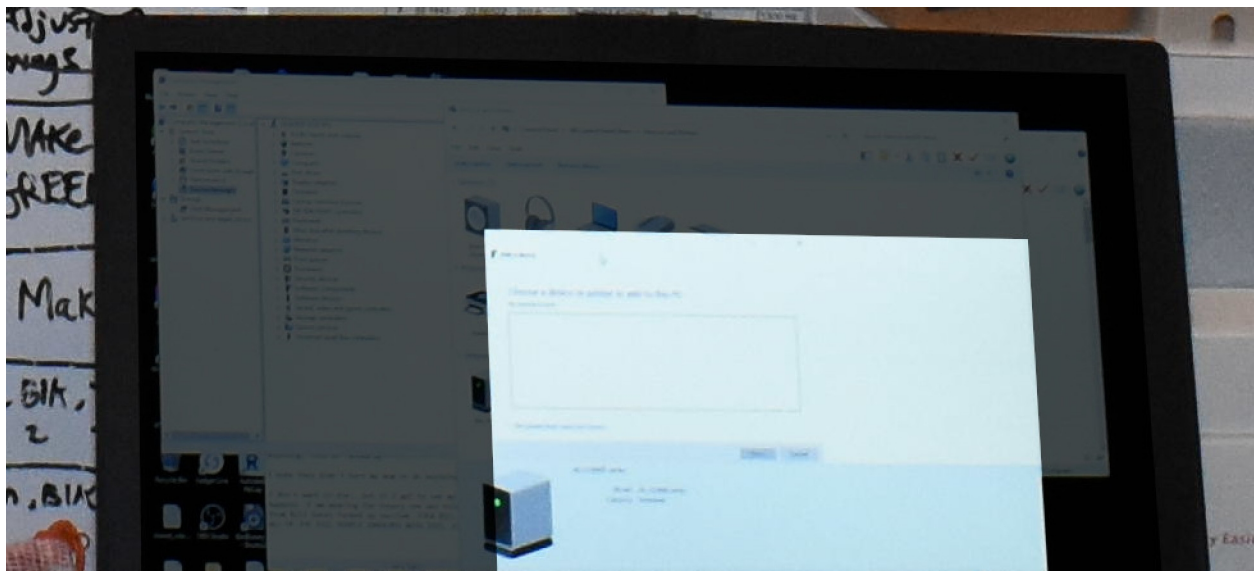
0193-1.jpg | Color curve 1 applied to image



0193-2.jpg | Color curve 2 applied to image



0209.jpg | Original Image



0209-M.png | Mask layer | 92% Transparency

