CLAIMS:

1. A video stream management system, comprising:

a video controller configured to live render video; and

a display communicatively coupled to the video controller and configured to display a primary video ~~stream~~feed comprising the live rendered video, wherein the video controller, the display, or a combination thereof, is configured to embed a pixel pattern in the primary video feed, and wherein the video stream management system is configured to monitor one or more displayed images on the display to identify an error in the primary video feed, wherein the error is based on a mismatch between an expected pixel location, pixel light emission, and/or pixel color, of at least one pixel of the embedded pixel pattern and a corresponding displayed location, pixel light emission, and/or pixel color, of the at least one pixel displayed on the display.

2. The system of claim 1, wherein the display is communicatively coupled to a source of an alternative video feed, and the display is configured to switch to displaying the alternative video feed in response to identifying the error in the primary video feed.

3. The system of claim 2, wherein the primary video feed comprises an interactive video stream and the alternative video feed comprises a non-interactive video stream.

4. The system of claim 1, wherein the error is based on an identified mismatch between the embedded pixel pattern and an image of the one or more displayed images on the display.

5. The system of claim 1, wherein, when the embedded pixel pattern is identified in the one or more ~~images~~ displayed images on the display, no error is detected by the video stream management system.

6. The system of claim 1, wherein the embedded pixel pattern is associated with a subset of a total number of pixels of the one or more displayed images on the display.

7. The system of claim 1, wherein the error is based on a predetermined threshold of pixel mismatches in an expected pixel pattern and the one or more displayed images on the display.

8. The system of claim 1, wherein the embedded pixel pattern is dynamic and changes between the one or more displayed images on the display forming successive frames of the primary ~~the~~ video feed.

9. The system of claim 1, wherein the embedded pixel pattern is static between images of the one or more displayed images on the display forming successive frames of the primary video feed.

10. A method of managing a video feed, comprising:

embedding a dynamic pixel pattern into frames of a live video feed, wherein the dynamic pixel pattern comprises a first pixel pattern associated with a first frame and a second pixel pattern associated with a second frame, wherein the first pixel pattern is different than the second pixel pattern;

displaying the live video feed having the dynamic pixel pattern using a display;

monitoring displayed images on the display;

identifying an error in the live video feed in response to determining that the monitored displayed images comprise displayed pixel patterns that do not match the embedded dynamic pixel pattern; and

switching from displaying the live video feed to displaying an alternative video feed in response to identifying presence of the error in the live video feed.

11. The method of claim 10, wherein the alternative video feed comprises a full backup of the live video feed and the embedded dynamic pixel pattern, a new video feed different than the live video feed, or a combination thereof.

12. The method of claim 10, wherein the live video feed embedded with the dynamic pixel pattern and the alternative video feed are provided to the display concurrently.

13. The method of claim 10, wherein the first frame and the second frame are embedded in successive frames of the live video feed.

14. The method of claim 10, wherein the monitoring comprises assessing an individual frame to identify a pixel pattern of the embedded dynamic pixel pattern associated with the individual frame.

~~15. The method of claim 10, wherein information about the embedded dynamic pixel pattern is encrypted and accessible via a key.~~

~~16.~~ 10. A video stream management system, comprising:

one or more sensors configured to detect a guest presence;

a video stream controller configured to:

live render video based on the detected guest presence to generate a primary video stream; and

embed a pixel pattern in the primary video stream to generate a video stream; and

a display communicatively coupled to the video stream controller and configured to:

receive the video stream;

display the video stream to generate displayed images;

monitor the displayed images on the display to identify an error based on a comparison of the displayed images and the pixel pattern; and

generate an error signal based on identifying the error, wherein the error is based on a mismatch between an expected pixel location, pixel light emission, and/or pixel color, of at least one pixel of the embedded pixel pattern and a corresponding displayed location, pixel light emission, and/or pixel color, of the at least one pixel displayed on the display.

~~17.~~ 11. The system of claim ~~16~~10, wherein the error comprises the displayed images missing or having a mismatch with one or more pixels of the pixel pattern, having one or more different color pixels relative to the pixel pattern, or a different location of one or more pixels of pixel pattern.

~~18.~~ 12. The system of claim ~~16~~10, wherein the video stream management system causes display of an alternative video based on the error signal.

~~19.~~13. The system of claim ~~18~~12, wherein the alternative video comprises a pre-recorded video.

~~20.~~14. The system of claim ~~16~~10, wherein the pixel pattern comprises a dynamic pixel pattern.