CLAIMS:

1. A spatial projection system, comprising:

a projection device configured to emit a plurality of light beams, wherein each individual light beam is emitted with a unique path within an environment, and wherein each individual light beam comprises a modulation pattern configured to transmit position data corresponding to the unique path; and

a receiver device, comprising:

a sensor configured to detect at least one individual light beam of the plurality of light beams;

a receiver processor configured to identify the modulation pattern of the detected individual light beam and generate response instructions based on the position data transmitted via the modulation pattern; and

an output device configured to output a response based on the generated response instructions,

wherein the response comprises displaying an image on screen of the output device based on the generated response instructions.

2. The spatial projection system of claim 1, wherein the output device comprises glasses, wherein the glasses are configured to display the image on at least one lens of the glasses such that the image is viewable for a guest wearing the glasses.

3. The spatial projection system of claim 1, wherein the receiver device is configured to output a special effect based on the generated response instructions.

4. The spatial projection system of claim 1, wherein the receiver device comprises an aerial drone, and wherein the aerial drone is configured to follow a flight path, activate a special effect, release a special effect, or some combination thereof, based on the generated response instructions.

5. The spatial projection system of claim 1, wherein the plurality of light beams

comprises a first group of light beams and a second group of light beams, wherein each light beam corresponding to the first group of light beams comprises a first modulation pattern indicative of a first area through which respective unique paths of each light beam of the first group of light beams are configured to pass, and wherein each light beam corresponding to the second group of light beams comprises a second modulation pattern indicative of a second area through which respective unique paths of each light beam of the second group of light beams are configured to pass.

6. The spatial projection system of claim 5, wherein the receiver processor is configured to generate a first set of response instructions based on the first modulation pattern and a second set of response instructions based on the second modulation pattern, and wherein the output device is configured to output a first response based on the first set of response instructions when the receiver device is disposed within the first area and output a second response based on the second set of response instructions when the receiver device is disposed within the second area.

7. The spatial projection system of claim 1, wherein the projection device comprises an infrared light source, and wherein the plurality of light beams comprise infrared light.

8. The spatial projection system of claim 1, wherein the projection device comprises a digital micro-mirror assembly configured to actuate at least one micro-mirror to selectively reflect light from a light source to generate the modulation pattern of each individual light beam of the plurality of light beams.

9. The spatial projection system of claim 1, wherein a receiver memory of the receiver device comprises at least one set of decoding instructions for the receiver processor, wherein the at least one set of decoding instructions corresponds to detected light beams within a range of frequencies, wherein the at least on set of decoding instructions is configured to cause the receiver processor to decode the modulation pattern of the detected light beams within the range of frequencies.

10. The spatial projection system of claim 1, comprising an additional projection device configured to emit an additional plurality of light beams, the additional plurality of light beams comprising additional modulation patterns, wherein the projection device is configured to emit the plurality of light beams at frequencies within a first range of frequencies, and wherein the additional projection device is configured to emit the additional plurality of light beams at frequencies within a second range of frequencies.

11. The spatial projection system of claim 10, wherein the receiver processor is configured to determine a position of the receiver device and generate the response instructions based at least in part on the position of the receiver device, wherein the processor is configured to determine the position of the receiver device based at least in part on the modulation pattern of at least one detected light beam within the first range of frequencies and the additional modulation pattern of at least one additional detected light beam within the second range of frequencies.

12. The spatial projection system of claim 11, wherein the additional projection device is configured to emit the additional plurality of light beams in a direction angularly offset from the direction of the plurality of light beams.

13. A spatial projection system, comprising:

a system controller configured to generate a plurality of image data instruction sets, wherein each image data instruction set corresponds to a respective area;

a projection device configured to emit a plurality of light beams simultaneously, wherein an individual light beam of the plurality of light beams comprises a modulation pattern configured to transmit image data based on the image data instruction set corresponding to the area through which the individual light beam is configured to pass;

a receiver device, comprising:

a sensor configured to detect the individual light beam of the plurality of light beams;

a processor configured to determine the image data based on the modulation pattern of the detected individual light beam; and

a display device configured to display an image based on the image data.

14. The spatial projection system of claim 13, wherein the display device comprises glasses, wherein the glasses are configured to display the image on at least one lens of the glasses such that the image is viewable for a guest wearing the glasses.

15. The spatial projection system of claim 13, wherein the image comprises a textual image, a picture image, a video image, or some combination thereof.

16. The spatial projection system of claim 13, wherein the projection device comprises a digital micro-mirror assembly configured to actuate at least one micro-mirror to selectively reflect light from a light source to generate the modulation pattern in the individual light beam.

17. The spatial projection system of claim 13, wherein the projection device is disposed vertically above the respective areas.

18. A spatial projection method, comprising:

emitting a plurality of light beams via a projection device, wherein each individual light beam of the plurality of light beams comprises a unique modulation pattern configured to transmit data corresponding to a respective area;

detecting an individual light beam of the plurality of light beams via a receiver device;

generating response instructions based on data received by a receiver device via the unique modulation pattern of the detected light beam; and

outputting a response based on the response instructions via an output device, wherein the response comprises displaying an image on screen of the output device based on the generated response instructions.

19. The spatial projection method of claim 18, wherein the output device comprises glasses, and wherein the response comprises displaying an image on at least one lens of the glasses such that the image is viewable for a guest wearing the glasses, wherein the image comprises a textual image, a picture image, a video image, or some

combination thereof.

20. A spatial projection system, comprising:

a projection device configured to emit a plurality of light beams, wherein each individual light beam is emitted with a unique path within an environment, and wherein each individual light beam comprises a modulation pattern configured to transmit position data corresponding to the unique path; and

a receiver device, comprising:

a memory storing an identification of the receiver device;

a sensor configured to detect at least one individual light beam of the plurality of light beams to generate sensor data indicative of the modulation pattern;

a light source;

communications circuitry configured to wirelessly transmit the sensor data along with the identification of the receiver device; and

a system controller configured to:

receive the sensor data and the identification of the receiver device;

determine a position of the receiver device within the environment based on the sensor data;

associate the identification of the receiver device to the determined position;

generate a location-specific special effect command comprising instructions to activate the light source of the receiver device based on the identification of the receiver device and the determined position; and

transmit the location-specific special effect command to the receiver device.