CLAIMS

1. A 3D image capturing device, comprising:

   a head structure having a curved surface, a protruding or raised rivet crown, and a base; and

   a plurality of light sensors operable to capture different light rays, wherein the light sensors are placed around the curved surface of the head structure for capturing light falling on the light sensors from different direction across the curved surface,

   wherein the base of the head structure is placed on a hexagonal or rectangular mesh structure.

2. The 3D image capturing device according to claim 1, wherein each of the light sensors is operable to capture light from a particular direction.

3. The 3D image capturing device according to claim 1, wherein the plurality of light sensors are configured for different intensities of light to fall on the light sensors at different angles from different directions.

4. The 3D image capturing device according to claim 1, wherein the image capturing device is a camera.

5. A 3D image producing device, comprising:

   a head structure having a curved surface, a protruding or raised rivet crown, and a base;

   a plurality of light emitters to produce different light rays, wherein the light emitters are placed around the curved surface of the head structure to produce light in all directions,

   wherein the light emitters are operable to produce different light in different directions at different angles with different intensities in each direction across the curved surface,

   wherein the base of the head structure is placed on a hexagonal or rectangular mesh structure.