CLAIMS

1. A 3D image capturing device, comprising:

   a plurality of head structures, each 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 each head structure for capturing light falling on the light sensors from different directions across the curved surface,

   wherein the base of the respective ones of the plurality of head structures 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 3D image capturing device is a camera.

5. A 3D image producing device, comprising:

   a plurality of head structures, each 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 with respective intensities, wherein the light emitters are placed around the curved surface of each head structure to produce light across the curved surface,

   wherein the base of the respective ones of the plurality of head structures is placed on a hexagonal or rectangular mesh structure.