CLAIMS

1. A capsule camera for a gas turbine engine, the capsule camera comprising:

a sensor configured to generate data, the sensor comprising a camera configured to generate images;

a housing having an exterior surface, the sensor being housed by the housing; and

one or more foam members coupled to the exterior surface of the housing, the one or more foam members being resilient to enable the capsule camera to be inserted into a gas turbine engine and secured between at least two surfaces of the gas turbine engine.

2. The capsule camera as claimed in claim 1, wherein the housing has a longitudinal axis and a length along the longitudinal axis, the one or more foam members having a length along the longitudinal axis of between twenty five percent and one hundred percent of the length of the housing.

3. The capsule camera as claimed in claim 2, wherein the one or more foam members have a length along the longitudinal axis of between twenty five percent and thirty five percent of the length of the housing.

4. The capsule camera as claimed in claim 1, wherein the housing has a longitudinal axis and a maximum dimension perpendicular to the longitudinal axis, the one or more foam members having a maximum dimension perpendicular to the longitudinal axis greater than the maximum dimension of the housing.

5. The capsule camera as claimed in claim 1, further comprising a light emitter configured to emit light within a field of view of the camera, the light emitter being housed by the housing.

6. The capsule camera as claimed in claim 1, further comprising communication circuitry configured to wirelessly transmit the generated data, the communication circuitry being housed by the housing.

7. The capsule camera as claimed in claim 1, further comprising a memory configured to store the generated data, the memory being housed by the housing.

8. The capsule camera as claimed in claim 1, further comprising an electrical energy storage device configured to supply electrical energy to at least the sensor, the electrical energy storage device being housed by the housing.

9. The capsule camera as claimed in claim 1, further comprising a connector configured to connect to a positioning tool.

10. A method of inspecting a gas turbine engine, the method comprising:

providing one or more capsule cameras as claimed in claim 1;

inserting one or more of the capsule cameras into a gas turbine engine so that the is one or more capsule cameras are secured between at least two surfaces of the gas turbine engine; and

causing relative movement between a part of the gas turbine engine and the one or more capsule cameras, the part of the gas turbine engine being adjacent to the at least two surfaces.