

[Problem] To provide a device in which, in an area of strong radiation (including nuclear power plant accident sites and nuclear reactors, facilities for generation/storage/disposal of nuclear fuel and radioactive substances, outer space, etc.), the present apparatus makes it possible: to ascertain the position of unnecessary matter, etc. (such as nuclear fuel debris, substances contaminated by radiation, obstructions, and radioactive substances); to monitor/inspect the vicinity of the unnecessary matter, etc.; to perform transport in/out of the unnecessary matter, etc.; and to perform repairs/construction/decommission tasks, etc... [Solution] Provided is a device that detects and images unnecessary matter, etc. and objects using ultrasonic waves (or sonic waves), because ultrasonic waves (or sonic waves) are not affected by interference, etc. from radiation. An apparatus uses a sensor for sensing radiation, such as a radiation measurement instrument, to adjust and display an image obtained by detecting the unnecessary matter, etc. and objects using ultrasonic waves (or sonic waves) so that, for example, places in a direction in which strong radiation is emitted are displayed in red, while places in a direction in which weak radiation is emitted are displayed in blue. Further provided is a device with which repair, construction, etc. can be performed by installing an imaging apparatus, etc. in a robot or drone.