

低価格既製UAVの技術動向

The latest trend of low-priced UAV

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The visualization of the environmental information is important from the viewpoint of disaster prevention to keep the security of inhabitants. Videos taken from the airplane conveyed the horror of the recent great disaster which attacked the various places in kyusyu Japan, the Kumamoto Earthquake of 2016. Numerous engineers and researchers were shocked by the images. Moreover, many real-time movies and images of this disaster exist. Especially in the past several years, other disasters caused by extreme weather because of our changing climate, such as heavy typhoons, rain cataracts, flurries, and tornadoes, also cause widespread destruction. When these disasters or earthquakes occur, rapid situational assessment is crucially important, but it is difficult because transportation systems including roads and railways often shut down under those circumstances. Therefore, a monitoring system that provides information immediately when a disaster occurs is required. When a disaster occurs, monitoring from an uncrewed aerial vehicles (UAV) or satellite is effective.

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