

Power supply and Data transfer wire system for Drone



Drones for industrial field

The market for industrial field drones is growing rapidly.

aerial photography

Broadcasting, Publishing, Video, and Racing (AR)

Surveying and Inspection

Bridges, factories, building maintenance and inspection, fields and coasts
3D maps, vegetation observation, aquaculture and produce management

security

Surveillance cameras, searches, crime deterrence and repelling (some attacks)
disaster monitoring

transportation

Delivery and shipping (logistics)
Disaster prevention/emergency (medicine, blood, AED, emergency supplies)

throwing down

Pesticide spraying (agricultural use), fire extinguishing agent spraying
Dropping emergency supplies

communication

airborne radio

Sampling

Weather (radiation, PM2.5, guerrilla thunderstorm, etc.)

training

Pilot school and pilot/air traffic control certification
Support for radio operator and radio station establishment



Wired drone

Cable supplies electric power is enable long flights and transmissions of various signals.

Expected market

- ◆Infrastructure Maintenance Management : bridges and buildings, etc.
- ◆Monitoring : Events, Important facilities, etc.
- ◆Construction site : Building construction, etc.
- ◆Observation : Collect data from sensors



Long hours flight Systems

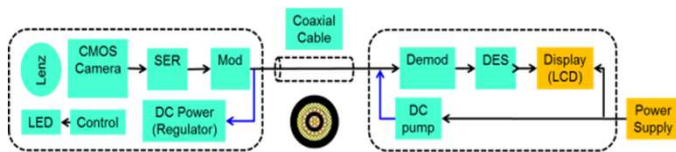
Electric power and signal data feed on coaxial cable is enable long hours flight and to get various data



Various sensor and camera

Various sensor signals and Video signals, etc.

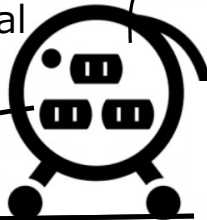
Power for Drones



Power supply(DC,AC)

display

video signal



ground-side cable supply and rewinding

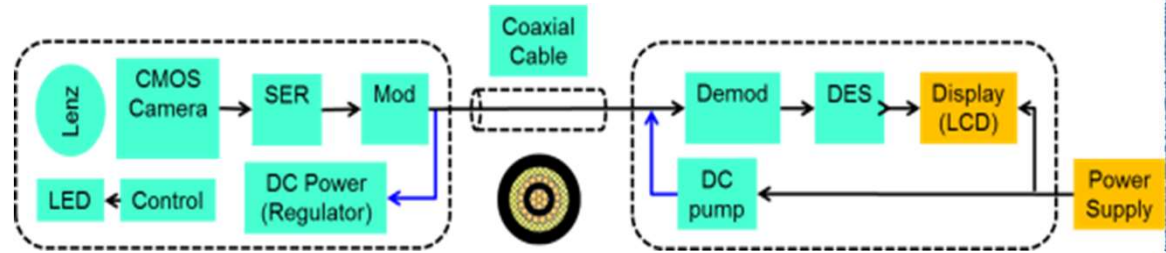
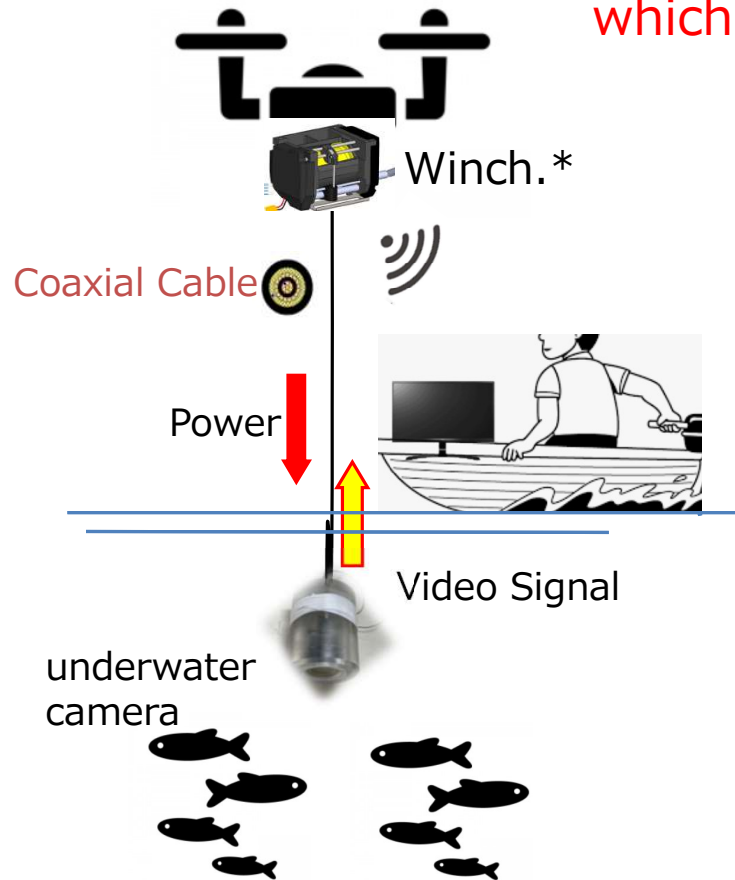


coaxial cables



Observation Systems

Cameras or other observation devices can be dropped from a drone which has power and signal over coax.



Via small diameter Coaxial cable

* Winch : In cooperation with GLOBERIDE, Inc.

