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# Blink is to satellite data acquisition what the cheetah is to running.

## Blink is a DVB-S2/CCSDS pure-software satellite modem.



The system utilizes the processing power of today's top-of-the-line commercial GPUs, to improve flexibility and speed up ground segment evolution.

Blink is used for real-time, operational data reception. In addition, it works off-line, to help verify correctness and detect issues during assembly, integration and testing.



### High Performance

- up to 700 MHz channels
- up to 2.7 Gb/s (32APSK)

### Rich Reporting

- Detailed processing metadata
- Intuitive summaries
- Interactive graphical overview

### Automation & Integration

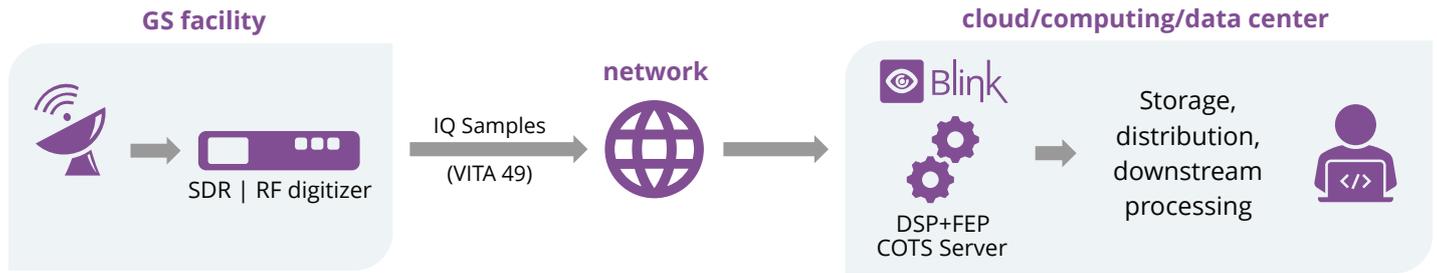
- REST M&C interface
- Command line interface
- Amazon Machine Image (AMI)

### Supported Standards

- CCSDS
- DVB-S2 (including ACM)
- VITA 49.x digital IF

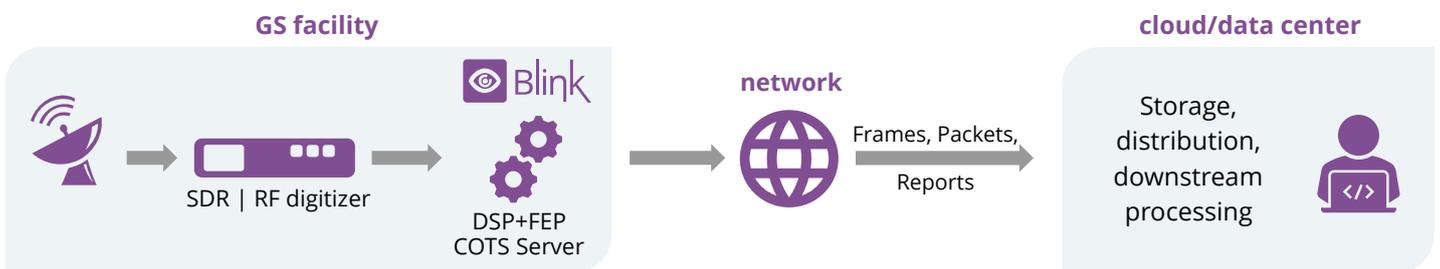
## Deployment to cloud

It is really easy to deploy Blink to a public cloud. Machines are active only during a satellite pass, minimizing cost. Blink receives a digitized signal and processes it in real time, sending output directly to downstream processors or to storage.



## Deployment to typical ground stations

Blink works at existing ground stations. A server equipped with a digitizer and running Blink software is deployed to the ground station instead of a conventional modem. Users get the benefit of an extremely flexible solution: **short lead times, quick and easy updates, rapid evolution and competitive costs.**



## Assembly, Integration, Verification and Testing

Blink detects 50+ types of reception events and generates HTML & JSON reports.

The HTML report is a rich, self-contained and interactive document. It provides intuitive summaries and low-level, per-event insights.



A glance at the summaries is enough to know that reception went well. The details provided are a treasure trove helping to diagnose issues, which is particularly important during satellite development.

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