



blink.amphinicy.com

AVAILABLE AT  
 **aws marketplace**

**Blink** is to satellite data reception what the cheetah is to running - fast, efficient, and optimised for peak performance in its domain.

### Blink is a wideband pure-software satellite modem.



The system utilises the processing power of COTS servers to improve flexibility and accelerate ground segment evolution.

Blink enables real-time communication, for operations or testing, as well as offline store-and-forward functionality.



**Wideband**

- Up to 10 Gb/s!
- Up to 3 GHz carriers
- S, X, Ka... - any band, any bandwidth!



**Supported Standards**

- CCSDS
- DVB-S2/S2X (including ACM)
- VITA 49.x & DIFI digital IF




**TT&C**

- (G)MSK, (G)FSK, BPSK, PCM...
- Various coding schemes
- TX idle content auto-insertion
- Frequency sweeping
- Doppler-precompensation




**Rich Reporting**

- Detailed processing metadata
- Intuitive summaries
- Interactive graphical overview



**Automation & Integration**

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



**Run on COTS Servers**

- x86 CPUs for broadest deployment
- nVidia GPUs for peak throughput & rack density

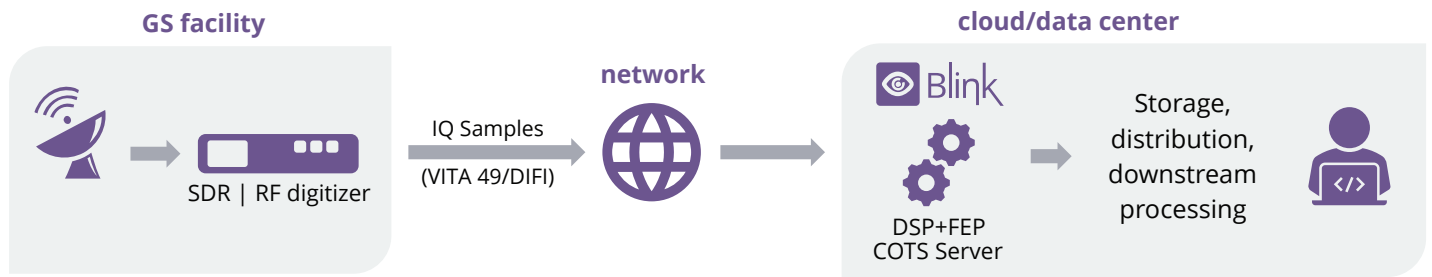


**Advanced M&C**

- Modern web UI
- Schemas, dashboards
- Highly user-configurable

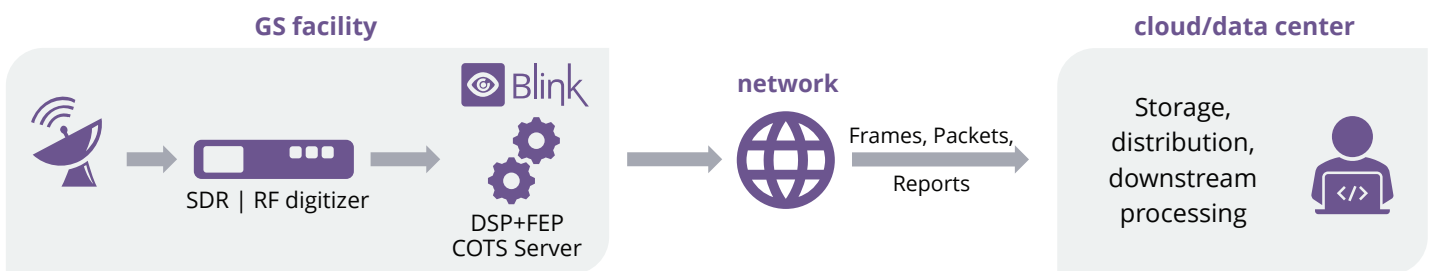
# Deployment to cloud

Deploying Blink to a public or private cloud is simple. Machines are activated only during satellite passes, optimising resources utilisation. Blink processes digitised signals in real time, sending the output directly to downstream processors or to storage.



# Deployment to typical ground stations

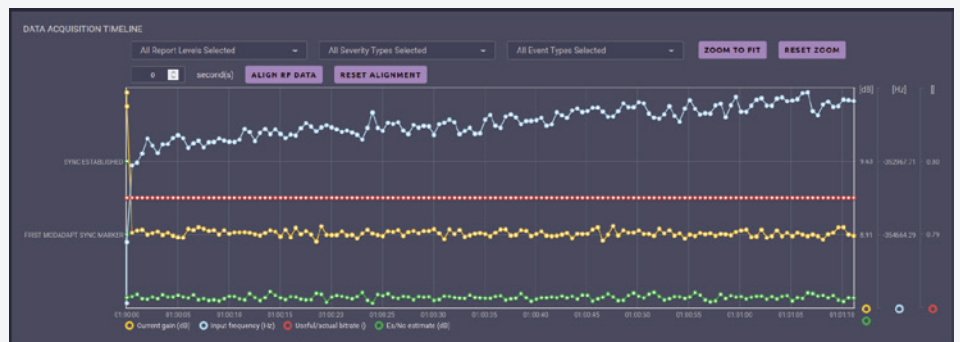
Blink integrates seamlessly with existing ground stations by replacing conventional modems with a server equipped with a digitiser and Blink software. Users get the benefit of a highly flexible solution: **short lead times, quick and easy updates, rapid evolution and competitive costs.**



# Assembly, Integration, Verification and Testing

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

The HTML report is a rich, self-contained and interactive document offering both intuitive summaries and in-depth, per-event insights.



A quick glance at the summaries provides assurance of successful reception. The details provided are a treasure trove helping to diagnose issues, which is particularly important during satellite development.

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