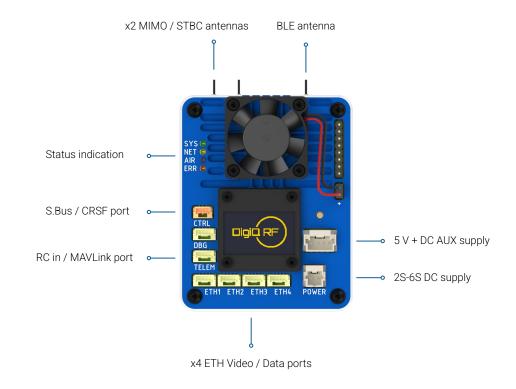
Sky Pulse v3 - Data brief





Sky Pulse is low-latency, high-performance digital communication system for unmanned aerial vehicles. It incorporates video, telemetry, and control data stream transmissions and is suitable for small- and large-segment multicopter and wing drones. The combination of proprietary hardware and software solutions makes it tolerant of operation in conditions of substantial radio-electronic interference and opens the possibilities for the most challenging missions. Depending on the target applications, Sky Pulse is supplied in civil or defense-grade hardware revisions.

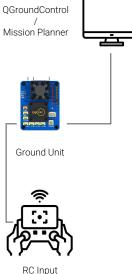


Sky Pulse v3 - Data brief





- Compatible with all flight controllers
- Unified form-factor for the Air Unit and Ground Station
- Camera Plug-n-Fly feature no configuration required
- Wireless bridge for ultra long range setups
- Adaptive Forward Error Correction
- Redundant USB power supply source for the flight controller
- Additional AUX power port for your hardware
- Manual stream switching functionality



Bandwidth 5, 10, 20 MHz

Radio chains 2x2 MIMO / STBC

Operating frequencies 5050 - 5180 MHz (extended)

5180 - 5825 MHz

5900 - 6100 MHz (extended)

Jamming response Detection + avoidance

Video Up to 8 switchable FullHD streams @ 4 ETH ports

Control - CRSF @115200/400000

- S.Bus @100000/200000

- CRSF to S.Bus conversion

Telemetry MAVLink @ 9600/57600/115200

Power range - 2-6S from the box

- Up to 12S with DigiQ Power Converter

Remote configuration Bluetooth, Web UI

Additional features Adaptive FEC, Wireless bridge, AUX DC power

conversion, redundant power for the Flight Controller

*With 25 dBi directed antennas + antenna tracker used 2/4



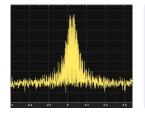
Connect the TELEM port for the FC telemetry streaming and use the CTRL port for the guidance (CRSF/S.BUS)







Contactless configuration is useful when installed and secured inside the drone. Use our Android application for the fine tuning and status monitoring



Sky Pulse also introduces built-in spectrum analyzer for the enhanced interference detection and performs auto channel switching to improve the radio link quality

Plug up to four RTSP cameras in and let the radio automatically configure them. Switch between the streams from your RC any time you want

If low-resolution stream is available, the radio will automatically switch to it in case of the severe packet loss Contact information:

Website: https://digiq-rf.com

Email: info@digiq-rf.com

Signal: digiq_rf.99

Telegram: digiq_rf