

Sensor and Radio Interfaces

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Field	Value
Distribution	BSS — OpenSOF
Product	OpenSOF
Release	0.15.1
Deployment	<code>opensof.bss.dev</code>
Source	<code>/srv/bss/releases/OpenSOF-v0.15.0-20app</code>
Evidence	Sensor/radio term scan and adapter standard
Source fingerprint	<code>cda583b42f2a0d296b268ab5b174932a378c8be6fb52ffa1af14af896e990f6e</code>
Status	Generated baseline — human review required

“ **Verification boundary:** This page combines platform design guidance with static evidence from the release. It does not prove that every detected interface is enabled, reachable, secure, or operational in the deployed environment.

Observed sensor/radio indicators

Technology/domain	Occurrences	Evidence
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PTP/PPS	1064	API.md CHANGELOG.md DEPLOY-GODADDY.md MERGE-v0.13.1.md OPENCYBERSEC.md OPENPNT.md README-GODADDY.txt README.md RELEASE-NOTES-v0.14.0.md RELEASE-v0.15.0.md TEST_RESULTS-v0.13.0.txt TEST_RESULTS-v0.13.1.txt
camera/video	362	OPENLVC-DEMO.md OPENLVC.md README-OPENEYES.md README.md index.html server.js .opennetworks-backup-20260827T210646Z/ontology/openknowledge-model.json .opennetworks-backup-20260827T210646Z/ontology/opensof-core.ttl data/assets.json data/opencybersec.json data/openknowledge-model.json data/lvc/state.json
UHD/USRP	324	API.md CHANGELOG.md OPENPNT.md OPENRF.md OPENSSA-DEMO-DEPLOYMENT.md README.md TEST_RESULTS-v0.12.0.txt TEST_RESULTS-v0.13.0.txt TEST_RESULTS-v0.13.1.txt TEST_RESULTS-v0.14.0.txt TEST_RESULTS-v0.6.0.txt TEST_RESULTS-v0.8.0.txt

AIS	154	API.md CHANGELOG.md MERGE-v0.13.1.md OPENLVC.md README.md TEST_RESULTS-v0.13.1.txt TEST_RESULTS-v0.14.0.txt index.html server.js .opennetworks-backup-20260827T210646Z/ontology/openknowledg e-model.json .opennetworks-backup-20260827T210646Z/ontology/opensof- applications.ttl .opennetworks-backup-20260827T210646Z/ontology/opensof- core.ttl
FlightGear	121	CHANGELOG.md EXTERNAL-SERVICES.md MERGE-v0.13.1.md OPENLVC-DEMO.md OPENLVC.md README.md TEST_RESULTS-v0.13.1.txt TEST_RESULTS-v0.14.0.txt index.html server.js .opennetworks-backup-20260827T210646Z/ontology/openknowledg e-model.json .opennetworks-backup-20260827T210646Z/ontology/opensof- applications.ttl
DIS	85	CHANGELOG.md MERGE-v0.13.1.md OPENLVC-RTI.md OPENLVC.md README.md TEST_RESULTS-v0.13.1.txt TEST_RESULTS-v0.14.0.txt index.html server.js .opennetworks-backup-20260827T210646Z/ontology/openknowledg e-model.json .opennetworks-backup-20260827T210646Z/ontology/opensof- applications.ttl .opennetworks-backup-20260827T210646Z/ontology/opensof- core.ttl

PlutoSDR	56	CHANGELOG.md README.md UPGRADE-OPENSSA-v0.5.0.md edge/openssa-sensor/API.md edge/openssa-sensor/README.md edge/openssa-sensor/SENSOR_INSTALL.md edge/openssa-sensor/SHA256SUMS.txt edge/openssa-sensor/TEST_RESULTS-v0.4.0.txt edge/openssa-sensor/config/ssa-sensor-pluto.json edge/openssa-sensor/drivers/ssa_sensor.py edge/openssa-sensor/install/install-ubuntu-deps.sh edge/openssa-sensor/install/update-existing-sensor.sh
HackRF	55	CHANGELOG.md OPENSSA-DEMO-DEPLOYMENT.md README.md data/opencybersec.json data/openiaa-evidence/IIAEV-SSA-001-ssa-geolocation-events.json edge/openssa-sensor/README.md edge/openssa-sensor/SENSOR_INSTALL.md edge/openssa-sensor/SHA256SUMS.txt edge/openssa-sensor/TEST_RESULTS-v0.4.0.txt edge/openssa-sensor/install-demo-sensor.sh edge/openssa-sensor/config/demo-hp-hackrf.json edge/openssa-sensor/config/ssa-sensor-hackrf.json
SoapySDR	54	CHANGELOG.md OPENSSA-DEMO-DEPLOYMENT.md README.md edge/openssa-sensor/SENSOR_INSTALL.md edge/openssa-sensor/config/ssa-sensor-simulation.json edge/openssa-sensor/config/ssa-sensor-soapy.json edge/openssa-sensor/demo/run_streaming_demo.py edge/openssa-sensor/drivers/ssa_sensor.py edge/openssa-sensor/install/install-ubuntu-deps.sh edge/openssa-sensor/lib/openssa.js edge/openssa-sensor/tests/test_e2e.py lib/openssa.js

ADS-B	46	SCENARIOS.md server.js .opennetworks-backup- 20260827T210646Z/ontology/opensof- core.ttl ontology/opensof-core.ttl open-task/app.js open-task/index.html open-track/app.js open-track/index.html public/open-task/app.js public/open-task/index.html public/open-track/app.js public/open-track/index.html
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Adapter contract

Area	Required definition
Device identity	Stable hardware/agent ID, type, firmware/driver and owner.
Registration	Network endpoint, capabilities, location/profile, coordinate frame and time source.
Control	Commands, limits, authorization, acknowledgement, safety and emergency behavior.
Data	Sample/product schema, units, rate, timestamp, calibration, quality and loss indicators.
Products	Derived track/image/spectrum/detection metadata and OpenFiles/OpenBus publication.
Health	Connection, clock, temperature/power, overruns/drops, calibration and storage.

Edge-processing rule

Keep raw high-rate data near the sensor when possible. Publish compact, timestamped, semantically typed products plus a governed reference to retained raw evidence. Make bandwidth degradation and product quality visible instead of silently dropping fidelity.

Maintainer Notes

Add human-reviewed deployment notes, corrections, decisions, screenshots, and links here.
Content outside the generated block is preserved on future runs.

Revision #1

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