

SkySim Technical Radar Simulator

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Alongside our live radar systems, including the [NextGen 8 GHz Pulse](#), [24 GHz FMCW](#) and [24 GHz Noise radar](#), SkyRadar offers the technical radar simulator, SkySim. Designed not as a substitute but as an essential complement to real-life radar, SkySim offers flexibility in simulating various radar types and deploying diverse scenarios and use cases. It is particularly advantageous for distance learning programs. Like our live radars, SkySim generates IQ signals that can be visualized and manipulated within FreeScopes, enhancing the learning and operational experience.

FEATURES

Available radars types are

- Pulse
- Pulse Compression



**NextGen Training Systems
for Aviation Academies &
Universities**

**#1 Global Supplier of
Aviation Training
Equipment from Radars
to Tower Simulators**

- Pulse Doppler
- FMCW

The simulator features can be extended by military packages, providing various jammers and deception jammers as well as military extension packages for FreeScopes.

PREREQUISITES

- FreeScopes Basic I
- FreeScopes Basic II
- FreeScopes ATC I
- FreeScopes ATC II
- Cloud Server
- Server Module

EXTENSIONS

- SkySim Deception Package I
- FreeScopes ATC Disturbance Filtering and Analysis I (military)
- FreeScopes ATC Disturbance Filtering and Analysis II (military)
- 8 GHz Pulse Radar (recommended)
- Rotary Tripod (recommended)
- SkySMC Monitoring & Control Environment

From Basic to AI-driven Sensing - SkyRadar Paves the Way

SkyRadar offers the world-wide most comprehensive range of training systems for digital signal processing