FreeScopes Basic I

FreeScopes Basic I

The FreeScopes Basic I is the basic software package for the Digital Signal Processing & Radar Control Center in the modular SkyRadar solution.

It also includes the hardware control environment, managing all components of the radar training system's hardware. It includes a user interface for the trainer / teacher where specific hardware features can be controlled.

The users are enabled to do manipulations independently on their computers. Free-floating panels of the FreeScopes Control Center allow each student to set up his own block diagram, analyzing live, simulated or pre-recorded raw data, data after FFT, STC, MTI etc.

FEATURES

- Control environment for the connected radars and systems

NextGen Training Systems for Aviation Academies & Universities

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

- A-Scopes
- B-Scopes
- PPI
- Tx Power Control
- Source Suppression (DC suppress)
- Static Threshold
- STC
- C-FAR (1D)
- FFT (1D)
- IQ Data Block (I, Q)
- MTI

PREREQUISITES

- 8 GHz Pulse Radar

EXTENSIONS

- Rotary Tripod (recommended)
- Cloud Server (recommended)
- FreeScopes Basic II
- FreeScopes ATC I
- FreeScopes ATC II
- SMC System Monitoring and Control
- SkySim Radar Simulator
- FreeScopes ATC Disturbance Filtering and Analysis I
- FreeScopes ATC Disturbance Filtering and Analysis II
- FreeScopes Artificial Intelligence I

- SkyRadar Mobile Target Positioning System
- 24 GHz FMCW extension
- 24 GHz Noise Radar extension

and many more.

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