

## FEATURES

- 2 GHz to 18 GHz frequency coverage
- 8 banded microwave downconverters
  - Each with 4GHz analog IF Output
  - Each with 2GHz bandwidth
- Provides instantaneous stare (2GHz to 18GHz)
- Built in front end antenna switching
- 100 microsecond tuning speed
- Built in test source output
- Gigabit Ethernet control
- 2U Rackmount form factor

## APPLICATIONS

- HPOI
- Spectrum Monitoring
- Threat Warning



# NDR568

## Wideband Microwave Downconverter

### DESCRIPTION

The NDR568 wideband microwave downconverter is an 8 channel banded converter which covers 2GHz to 18GHz. Each downconverter has an analog IF output at 4GHz with 2GHz bandwidth which allows sustained collection of the entire spectrum. The unit has integrated front end antenna switch unit to offer flexibility in system designs with multiple antenna sources. The unit also has an integrated test source to allow systems to inject test signals through the entire signal path.

Command and Control of the wideband microwave downconverter is via the Gigabit Ethernet control port and power is derived from a 115 VAC external power supply input. The Gigabit Ethernet control utilizes an embedded ARM processor and LINUX operating System. The unit is packaged in a 2U, 19 Inch equipment frame constructed of a rugged aluminum chassis that provides RF shielding, thermal management, and protection suitable for harsh environments.