

CYCLOPS



mmWave RF Scanner with
Real-time Visualization
Holographic Beam Forming



PARAMETER	SPEC
5G NR Band Support	n257, n258*, n260
MIMO Rank	2x2
Polarization	Linear
Az scan	+/- 75°
Az Field of View	150°
Elevation	+/- 30°
EI Field of View	60°
Sensitivity for Physical Cell ID Decoding	-105 dBm
Noise figure	< 5dB
Measurement accuracy	TBD
Dimensions	6"x11.5"x1"
Weight	< 5lbs.
IP Rating	IP66
Operating temperature	-40° C to +50° C
Power consumption	< 36 W
Power method	Battery operated
Operations and maintenance interface	LTE Modem
Control interface	USB
Output frequency*	n257, n258, n260
GPS support	Yes

HIGH LEVEL FEATURES

- Fixed beam*, beam pointing boresight
- Find the signal, Raster scan
- Drive test*, Lock the signal to a location (lat/long)
- GPS built in
- 4G LTE for OAM

SCAN PARAMETERS

- Physical cell ID (PCI)
- SS-RSRP
- SS-SINR
- SS-RSRQ
- Frequency offset
- SSB index

*Available Q4 '25./Q1 '26

Cyclops™ is the first and only portable scanner that is application-ready with built-in 5G modem functionality for KPI tracking and uses Holographic Beam Forming (HBF) to visualize RF energy for end user deployment.

Cyclops combines RF scanning and real-time visualization overlays so field technicians can quickly and easily localize signal sources in scenarios ranging from site acquisition to diagnosing issues in 5G network deployment and operation for FWA, stadiums/concerts, mobility and other use-cases.

- HBF-enabled low SWaP (size, weight, low power consumption)
- Ready out of the box
- Real time 5G NR mmWave visualization
- 5G NR beam specific KPIs
- Portable for walk or drive testing
- 4G LTE modem for remote support and management