



SCR12-2400
Large Corner Reflector



SCR9-2400
Mini Corner Reflector

Mobile Mark's WiFi Corner Reflector antennas provide efficient point-to-point and point-to-multipoint coverage for remote monitoring, surveillance or mesh networks.

A SCR Series corner reflector antenna consists of a half-wave element, spaced approximately a quarterwave length in front of a reflector panel. The reflector panel serves to narrow both the horizontal and vertical pattern for increased gain and directivity.

This antenna design is able to provide excellent gain performance without sacrificing bandwidth. Cable Assemblies are available from Mobile Mark.

Directional, Corner Reflector WiFi 2.4 & 5 GHz

- Available in 9-12 dBi gain; efficient Front to Back ratio
- Efficient Point-to-Point coverage
- Small aperture; minimizes wind loading
- Split balun feed provides superior bandwidth & gain performance
- Heavy duty construction

Model #	Gain	Frequency
SCR9-2400-WHT	9 dBi	2300-2600 MHz
SCR12-2400-WHT	12 dBi	2300-2600 MHz
SCR10-5250-WHT	10 dBi	5.15-5.35 GHz
SCR12-5725-WHT	12 dBi	5.72-5.93 GHz
SCR-2400/5500-WHT	9 dBi 12 dBi	Dualband 2.4-2.5 GHz & 4.9-6.0 GHz

Color options available for above models
WHT-White or BLK-Black

Specifications

Frequency:	See above	SCR12-2400	7" x 10.5"(178 mm x 266 mm)
Gain:	See above	Aperture	7" x 7" (178 mm x 178 mm)
VSWR:	2:1 max over band	Panel Size	2.2 lbs (1 kg)
Impedance:	50 Ohm nominal	Weight	
Max Wind Velocity:	125+ mph (193 kph)	Beamwidth:	
Operating Temp:	-40° to +85° C	SCR9-2400	78° El, 60° Az
Material:	Powder-coated aluminum, ASA plastic radome	SCR12-2400	50° El, 36° Az
		SCR10-5250	57° El, 30° Az
SCR9-2400, SCR10-5250, SCR12-5725, SCR-2400/5500		SCR12-5725	75° El, 26° Az
Aperture	3" x 5.5" (76 mm x 140 mm)	SCR-2400/5500	
Panel Size	3" x 3" ea (76 mm x 76 mm)	@2.4	45° El, 35° Az
Weight	1 lb (0.5 kg)	@5.5	35° El, 25° Az
SCR9-2400, SCR12-2400, SCR10-5250, SCR12-5725		Pole Mounting:	Hardware included
Maximum Power	100 Watts	Mounting Dimension:	Mounts up to 2" (51 mm) out side diameter (OD) mast
Front-to-Back ratio	22 dB or better		Exception: SCR12-2400 mounts up to 2.5" (64 mm) OD mast
Lightning Protection	DC grounded, external protection recommended	Connector:	N Jack (Female), attached at rear of antenna
SCR-2400/5500		Shock & Vibration:	EN 300 019-2-4, IEC 60068
Maximum Power	10 Watts		
Front-to-Back ratio	30 dB or better		
Lightning Protection	NA, external recommended		