

# Quad Sector Receive Antenna

Sectorized Central Receive Antenna 1.99 to 2.5 GHz



## Applications

- Central Receive Antenna or Electronic News Gathering and Outside Broadcast

## Features

- Sectorized Central Receive Antenna 16dbi, Vertical Polarization, 2/2.5GHz
- Four selectable 90-degree sector arrays within a single radome
- Easily deployed as a temporary or permanent installation
- Highly reliable design featuring no moving parts
- Comes with 2/2.5 GHz LNA and a PCS/MMDS filter in a separate weather proof enclosure
- Remotely controlled using the MRC 2000 Sectorized Antenna Controller and MRC Master Control Software

## Overview

The Quad Sector Receive Antenna system is composed off our 90-degree sector arrays within a single radome. Each array provides 16dbi of gain. The antenna can be mounted on the side or in a central location on top of a building and cabled to a LNA junction box. The antenna eliminates the need for four separate sectorized antennas. The operator can then choose the sector depending on the direction of signal.

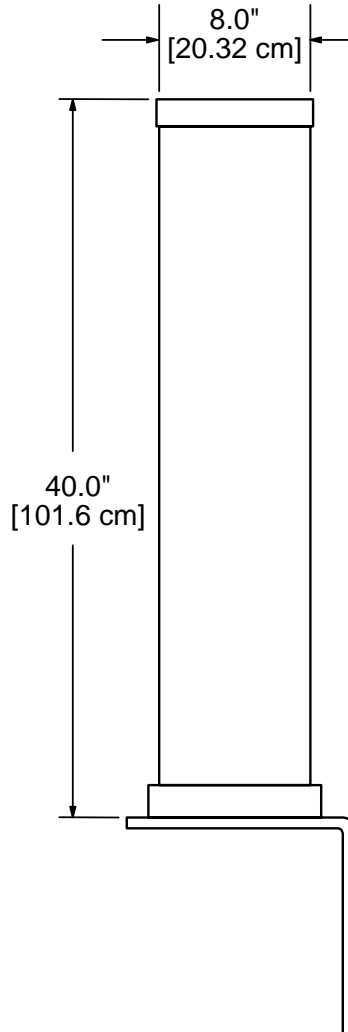
The antenna is designed to integrate with MRC's CodeRunner 4 Central Receiver, the MRC 2000 Sectorized Antenna Controller, and Master Control Software. The MRC 2000 Steerable Antenna Controller can be controlled locally or from a remote location. For remote operation, MRC's Master Control Software provides added functionality including presets for saving configurations of commonly used locations.

# SPECIFICATIONS

Model	SEC-2-24RX	SEC-2-14RX
LNA Gain	24 dB	12 dB
Frequency GHz	1.99 – 2.50	1.99 – 2.50
Polarization	Vertical	Vertical
Gain, dBi (nominal)	16.0	16.0
Beamwidth –3dB	90	90
Azimuth, deg.	8	8
Elevation, deg.	25	25
X- Pol. Rejection.	>20	>20
F/B Ratio	1.5:1	1.5:1
VSWR, Max	(14.0)	(14.0)
(R.L., dB)	"N" (F)	"N" (F)
RF Interface Dimensions	40" high x 7" Diameter	40" high x 7" Diameter
Pole Mount Kit	2 to 5.5" pipe	2 to 5.5" pipe

## LNA/FILTER BOX

LNA Gain: .....24 or 14 dB  
 LNA Noise Figure: .....2 dB Typical/2.5 dB max.  
 Connectors: .....Type "N" F  
 Voltage: .....+24 volts @200 mA  
 RF Filter: .....PCS / MMDS reject  
 Size: .....8"x10"x4"  
 Weight: .....5 lbs.  
 Mounting: .....2.5 to 5.5" pipe  
 Power Connector: .....PT02E-14-12PX



**Quad Sector RX Antenna Dimensions**

