

Adjustable Electrical Downtilt Base Station Antenna

This is an adjustable electrical downtilt base station antenna. It provides adjustable downtilt capabilities for optimized signal coverage and performance.



Product Overview



High-Performance Base Station Antenna

The HXHMDX0B0024033DXTHF is an adjustable electrical downtilt base station antenna designed for high-capacity cellular networks and wireless communication systems. It features a wide frequency range of 1710-2170MHz and high gain performance up to 24dBi to ensure optimal signal coverage. With integrated Remote Electrical Tilt (RET) capabilities, operators can dynamically adjust beam angles to minimize interference and maximize network efficiency in both urban and rural deployments.

Key Performance Metrics



Performance Highlights

24 dBi

Max Gain

1.5

Max VSWR

30 dB

Min Isolation

8 °

Max Downtilt

Electrical Specifications



Frequency & Gain Mapping

Frequency Range (MHz)	Gain (dBi)	Horizontal Beam Width	Vertical Beam Width
1710~1880	23.5	34°	4°
1850~1990	23.8	33°	3.8°
1920~2170	24	32°	3.5°

Cross Polarization Ratio

- e1dB @ 0°
- e1dB @ ±60°

Polarization	±45°
Front to Back Ratio	e2dB

Hardware & Installation



Construction Features

- Rugged weather-resistant housing
- Compact design for easy integration
- High-quality materials for environmental durability
- Adjustable electrical downtilt mechanism

Model Number	HXHMDX0B0024033DXTHF
Applications	Cellular Networks, Wireless Broadband, Base Station, Remote Electrical Tilt (RET)