

Outdoor Narrow Beam Directional Antenna

PM-AS-ODP-033R11MJ53-SL

X Pol, 33°

698-960/1710-2700MHz

11.5/11.5dBi



Electrical Specifications

Parameters/Specifications	Unit	Frequency Range (MHz)		
Frequency Range	MHz	698-960	1710-2200	2200-2700
Polarization	deg	±45		
Gain	dBi	11.5±1.5	11.5±1.5	11.5±1.5
H-Beamwidth	deg	33±8	33±8	30±8
V-Beamwidth	deg	65±10	60±10	63±12
Isolation	dB	≥24		
Front to back ratio	dB	≥20		
Cross Polar Ratio	dB	≥15		
VSWR		<1.9		
PIM3 at 2x43 dBm	dBc	<-153		
Impedance	Ω	50		
Power Rating	W	100		

Mechanical Specifications

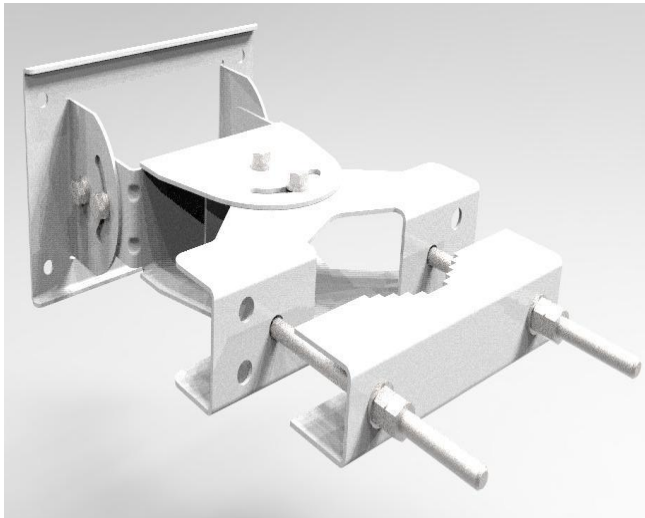
Parameters	Unit	Specifications
Product Dimension, HxWxD	mm	655x385x122.5
Product Weight (Antenna&Mounting Kits)	Kg	9.8
Packing Dimension, HxWxD	mm	905x460x280
Packing Weight (Mounting Kits included)	Kg	12.9
Install Position Adjustment	Deg	±10
Pole Mounting Diameter	mm	Φ50-80
Radome Material		FRP
Connector Type		2 x 7/16 DIN-Female

Environmental Specifications

Parameters	Unit	Specifications
Operational Temperature	°C	-40~+65
Operational Humidity @30°C	%	< 95

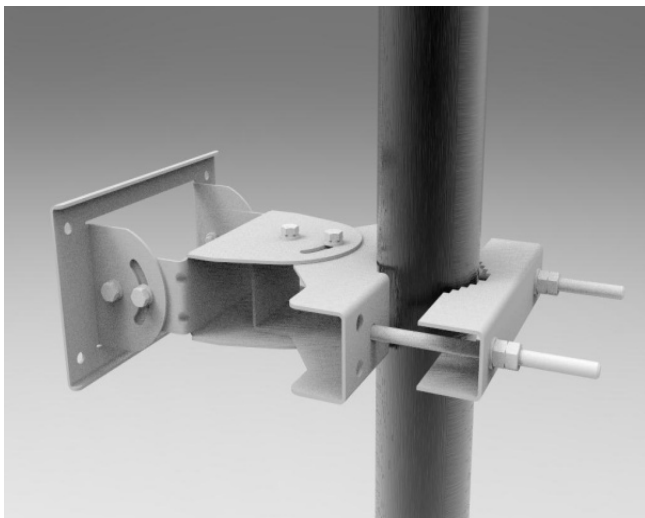
INSTALLATION INSTRUCTION

Step 1: Assemble the bracket



Step 2: Install the bracket

As shown, put the mounting bracket onto the mounting pole and tighten the two M10.



Mounting pole $\Phi 50\text{-}\Phi 80\text{mm}$ (not supply)

Step 3: Install the Antenna

Remove the four screws from the antenna back panel, and install the antenna onto the bracket through the four screws.

Step 4: Adjust the mechanical downtilt angle

The antenna can be turned horizontally and vertically, both adjustment range is $\pm 45^\circ$, then tighten all the screws. (please use the inclinometer for the precise angle)

*Only qualified personnel are allowed to install the antenna.

Nuts	Torque
M8	20 Nm
M10	44 Nm