In Building Antennas CM-S[VAR]

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- Low Profile Omni-Directional Ceiling Antenna
- Minimal Visual Impact Housing and Footprint
- Available in a range of UHF Frequencies for use with TETRA, P25 and DMR systems

The Panorama UHF ceiling antenna can be installed on a metallic or fibre ceiling panel* and is designed to provide network coverage in large buildings as part of a distributed antenna system. Suitable for use in airports, large campus sites and shopping centres, the antenna ensures there are no black holes in coverage or a reduction in signal strength.

The discrete and low profile appearance of the antenna minimises awareness of its' presence by building users.

*Perfomance will vary based on mounting surface.

Technical Drawing



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Product Data

Part No.				
		CM-S1-08NJ	CM-S2-08NJ	CM-S4-08NJ
Electrical Data				
Frequency Range (MHz)		380-400	410-430	450-470
Operational Band		S1	S2	S4
Peak Gain: Isotropic		0dBi	0dBi	0dBi
Compared to 1/4 wave		-2dB	-2dB	-2dB
Typical VSWR		< 2:1	< 2:1	<2:1
Polarisation		Vertical	Vertical	Vertical
Pattern		Omni-directional	Omni-directional	Omni-directional
Impedance		50Ω	50Ω	50Ω
Max Input Power (W)		25	25	25
Mechanical Data				
Dimensions (mm)	Height	42 (1.6")	42 (1.6")	42 (1.6")
	Width	160 (6.2")	160 (6.2")	160 (6.2")
Operating Temp (°C)		-40° / +80°C (-40° / 176°F)	-40° / +80°C (-40° / 176°F)	-40° / +80°C (-40° / 176°F)
Material		Flame Retardant ABS	Flame Retardant ABS	Flame Retardant ABS
Colour		White	White	White
Mounting Data				
Fixing		Ceiling mounting	Ceiling mounting	Ceiling mounting
Mounting hole size (mm)		18 (.7")	18 (.7")	18 (.7")
Mounting length (mm)		72 (2.8")	72 (2.8")	72 (2.8")
Cable Data				
Туре		CS23 Coaxial Cable	CS23 Coaxial Cable	CS23 Coaxial Cable
Thickness (mm)		5 (.19")	5 (.19")	5 (.19")
Length (m)		0.8 (31.4")	0.8 (31.4")	0.8 (31.4")
Termination		N Socket	N Socket	N Socket

*VSWR measured in free space with supplied 0.5m (1.6') CS23 cable Peak gain excludes cable loss.

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Electrical Data



*VSWR shown is CM-S1-08NJ measured in free space Green Trace = measured with 5m (16.5') CS23 extension cable Red Trace = measured with supplied 0.5m (1.6') CS23 cable

Pattern Data



180



