

Smart Pole – PSP-NG2-12 & PSP-NG2-25

Our Intelligent Pole is a specially designed street light pole that can host mobile devices in a concealed way. The specially designed intelligent pole consists of high strength pole, a nacelle to conceal the cellular antennas and an external enclosure for various control devices, UPS etc. It is designed to host multiple devices like smart LED light with builtin controller, Network Gateway, Digital Billboards, Surveillance Cameras, WiFi Access Points etc.. All of these devices communicate to the command centre through the gateway. It provides high flexibility in terms of placement of the equipment on it and in the external enclosure.

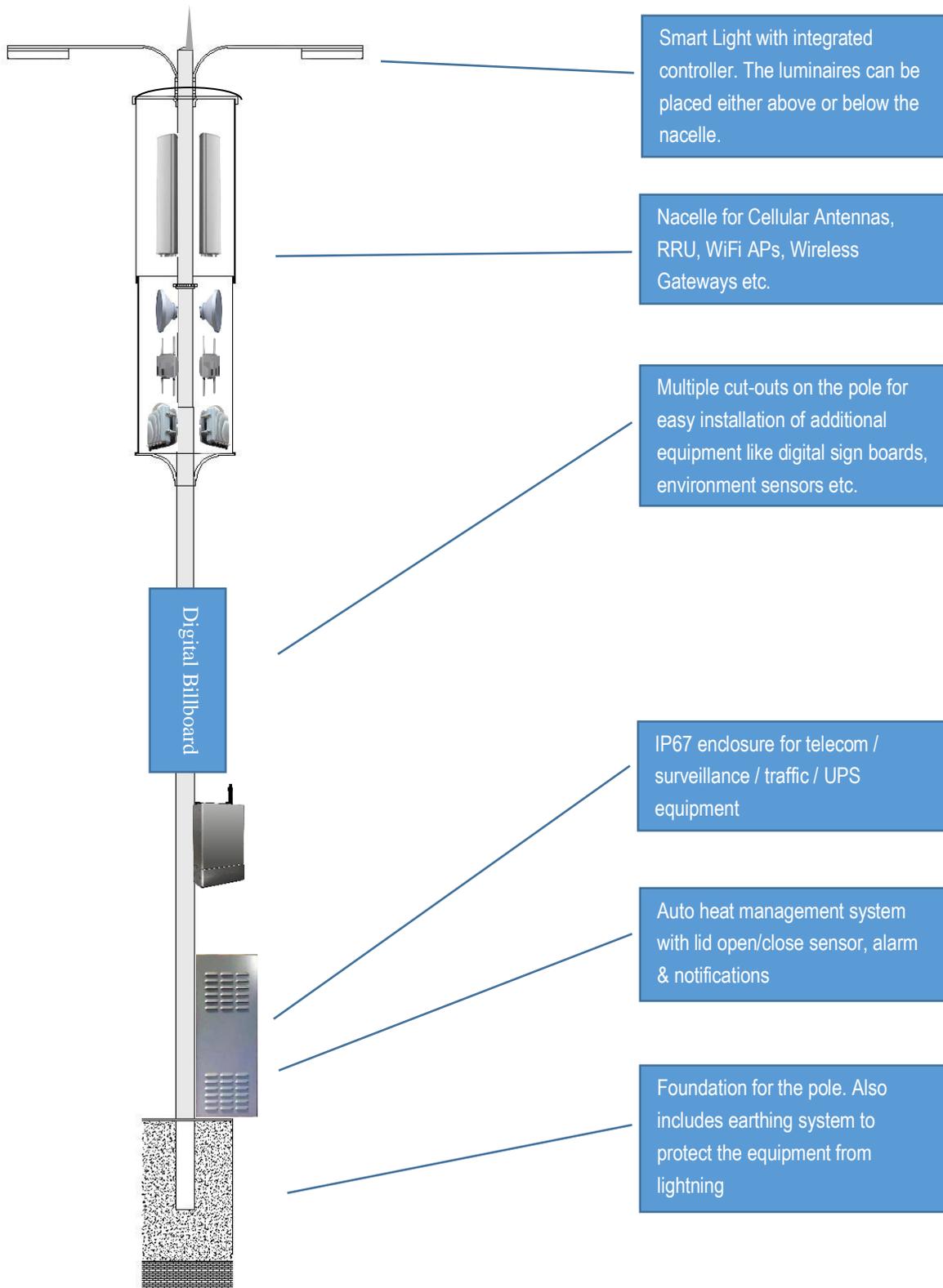
The pole is made of hot galvanized iron to withstand Indian weather conditions and to give long life. It is desinged to withstand heavy winds upto 180 kmph and storms that are common in the east cost of the Indian peninsula. It is also designed to host multiple equipment that can cummulatively weigh upto 500kg. The pole is hallow and allows all the network and power wires to go through it so that wiring is completely concealed. The pole has multiple cut-outs so that the wires can be pulled out exactly where the equipment is placed.

The nacelle is made of special material that provides good RF transparency. Even though it is desinged to cover the cellular antennas, it allows easy access to them during maintenance. The nacelle can be painted to match the pole colour or a contrasting colour to make it stand out.

The external enclosure can be used to place network & power equipment that cannot be placed inside or on the smart pole. Depending on the site conditions & easthetic reasons, the enclosure can be placed, next to the pole or slightly at a distance from the pole.. The enclosure is designed with IP67 protection and has smart cooling system and smart access control system. The smart access control system prevents any unauthorized access to the equipment in the enclosure.

TECHNICAL SPECIFICATIONS

S.No	Item	Specification
1	Pole Length	12 m & 25m
2	Pole Base Diameter	250 mm for 12m; 600mm for 25m
3	Pole Arms	1 or 2
4	Arm Length	∅48* 2.6thk *1500 mm
5	Foundation Assembly	M20*900
6	Camouflage Cover Height	3 m
7	Camouflage Cover Diameter	1 m
8	Max weight on the pole	Up to 500 Kg
9	Cutouts	3
10	Cabling	Internal, separate for lighting & telecom equipment
11	Compliance	IS: 875 Part-3 (1987) :Code of practice for Design loads (other than earth quakes) for structures, IS 7205(1974) : Safety code for erection of Structural Steelwork, IS: 4759(1996): Hot-dip zinc coatings on structural steel and other allied products
12	Part Number	12 M: PSP-NG2-12 25 M: PSP-NG2-25



Smart Pole with its components

Cellular Antennas, RRU, WiFi Aps, Gateways, Env. Sensors, Billboards are shown for understanding purpose only and are not part of the Smart Pole.

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