

Indoor Camouflage VHF Low-profile Antenna

IXL-EYN-H3P

VHF Low-Profile, 134-176/340-570/617-960MHz, N-Female, UL-94-V0 rated

- VHF omni-Antenna covering 134-176/ 340-570/ 617-960MHz (VHF/UHF/700/800 Public Safety)
- 22"x22" Low-profile antenna and suitable for indoor application
- Enhanced antenna gain at VHF band



Electrical Specification

| Product Model | IXL-EYN-H3P | | |
|--------------------------|-------------|---------|---------|
| Frequency (MHz) | 134-176 | 340-570 | 617-960 |
| Gain (dBi). Typical | 1.9 | 2.7 | 2.1 |
| Polarization | Horizontal | | |
| Beamwidth Horizontal (°) | 360 | | |
| VSWR. Typical | 2.2 | 1.8 | 1.5 |
| Average Power, max (W) | 50 | | |
| Impedance (ohm) | 50 | | |

Mechanical Specification

| | |
|------------------------------------|--|
| Dimension Diameter, height (in/mm) | 22.0x22.0x0.06 / 559.0x559.0x1.5 |
| Weight (lb./kg) | 2.5 / 1.1 |
| Shipping Dimension(in/mm) | 24.0x24.0x2.0 / 610.0x610.0x50.0 |
| Shipping Weight(lb./kg) | 4.0 / 1.8 |
| Material & color | White |
| Flammability | UL-94-V0 |
| Mounting/Connector type* | Ceiling Mount, N-female, Plenum Rated cable, 1 foot long Option: High Ceiling or Junction Box installation (MT-ND-EY) |

Environment & Compliance

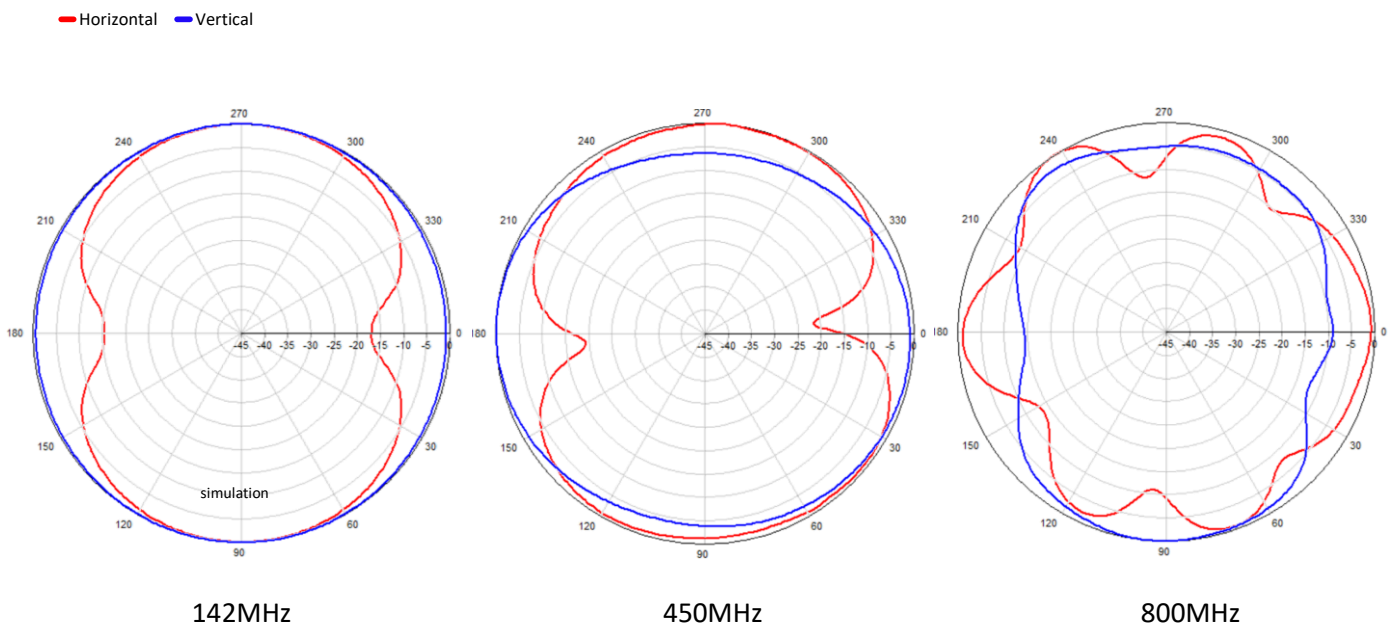
| | |
|-----------------------|----------------|
| Application | Indoor |
| Operating Temperature | -55°C to +70°C |
| Relative Humidity | Up to 95% |
| RoHS | Compliant |
| Environment | IP-54* |

*Note: Recommended for indoor application and the antenna can be used "outdoor garage rated."

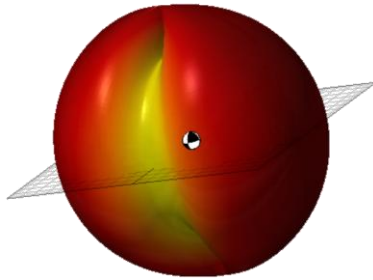
*Note: Not recommended for use with metal J boxes directly. Plastic or fiberglass J boxes are acceptable.

*Note: For metal J box installation, recommended to install the antenna with MT-ND-EY as spacer.

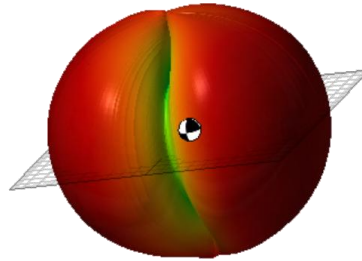
Antenna Pattern



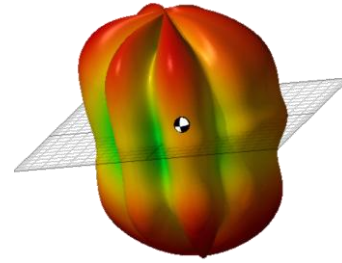
Outline Drawing & Installation Instruction



142MHz



450MHz

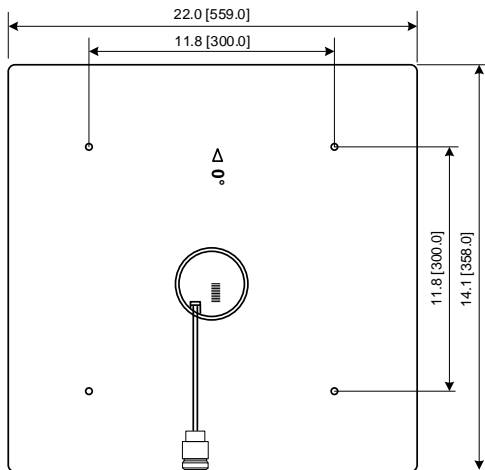


800MHz

Installation

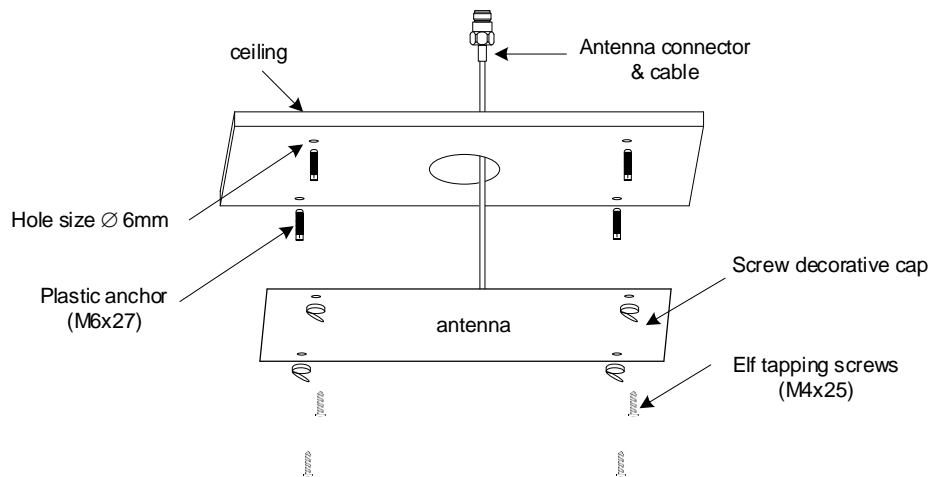
1. Standard Installation

Unit: inches [mm]



Installation

1. Drill four 1/4" (Ø6mm) mounting holes on the ceiling.
Please refer the drawing
2. Insert plastic anchors(M6) in the holes
3. Insert mounting plastic screw caps on the antenna mounting holes
4. Locate the antenna on the four mounting holes on the ceiling
5. Insert screws and then tighten the screws.
Once completely tighten the screws, push plastic screw caps to cover the screw head



2. Optional installation

For Junction box installation.

Please refer to MT-ND-EY (UL-94-V0 rated) installation instructions.

