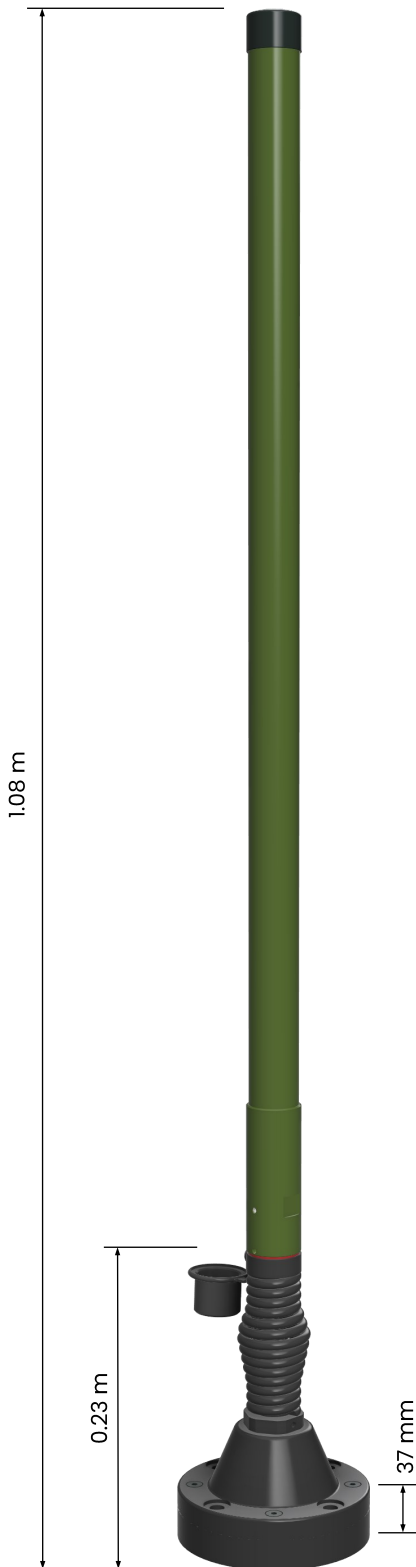


# UHF720VM-HG

UHF Tactical Link-16 whip, dipole, 1.08m, 960-1400 MHz

**Tactical Antennas: Tactical and Base Station**



4-hole vehicle spring base version shown (base type A)

## Description

The UHF720VM-HG is a high gain wideband antenna particularly suited to tactical LTE data environments including tactical Link-16.

The collinear dipole array design ensures maximum gain, expanding network coverage in the field.

The antenna is designed for use on all modern in-service military platforms, including armored or soft skin, metal chassis or composite, wheeled or tracked. A full range of mounting options are also available for static mounting on shelters or deployable masts.

## Electrical Specifications

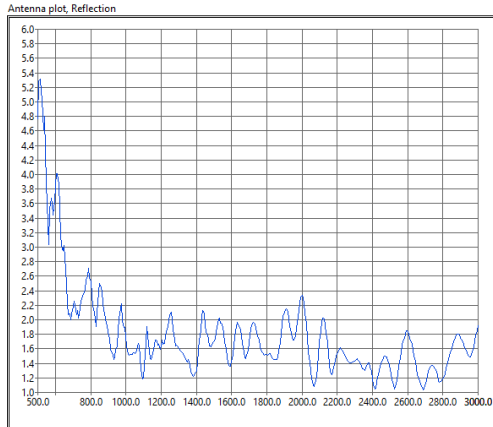
<b>Frequency Range</b>	700-2000 MHz
<b>VSWR</b>	≤ 3:1 (see plot)
<b>Nominal Impedance</b>	50 Ω
<b>Power Rating</b>	75 W CW, 200 W PEP
<b>Gain</b>	See plot
<b>Radiation Pattern</b>	Azimuth: Omnidirectional
<b>Polarisation</b>	Vertical
<b>Connector</b>	N-Type female, others on request

## Mechanical Specifications

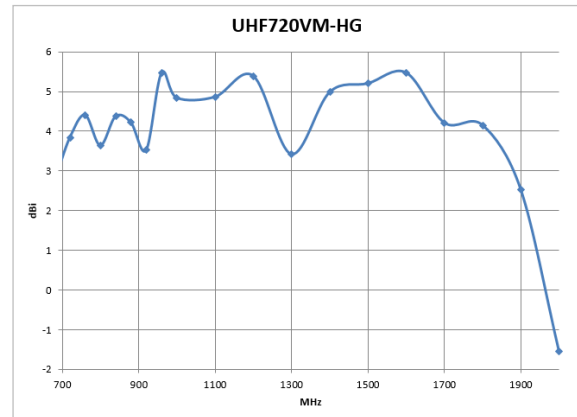
<b>Design</b>	Broadband collinear dipole array. Radiating element completely enclosed in epoxy/fiberglass laminate. Metal parts are brass and stainless steel.
<b>Length*</b>	Total: 1.08 m Whip: 0.85 m Base: 0.24 m
<b>Weight*</b>	Total: 3.65 kg Whip: 1.2 kg Base: 2.45 kg
<b>Wind Rating</b>	55 m/s = 201 kph
<b>Finish</b>	Polyurethane lacquer, olive drab, other colors on request.
<b>Temperature Range</b>	- 55°C to + 71°C
<b>Installation</b>	Standard 4 hole NATO base with spring (options available)

\* Dimensions and weights for standard 4-hole vehicle mounted version (base type A)

## VSWR



## Gain

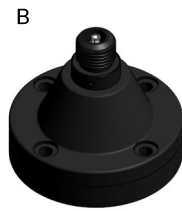


## Base Options

Bases are available to suite most mounting configurations. L1 and L1/L2 GPS and high voltage protection is also available on many bases. Below is a small selection, please contact Eylex to discuss your requirement.



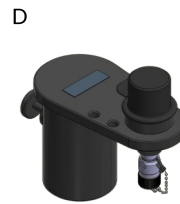
A  
NATO 4-hole Spring  
GPS Option  
4 x M10 or 3/8" Bolts  
on 114 mm PCD  
Base Diameter 140 mm



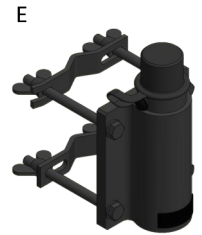
B  
NATO 4-hole Rigid  
GPS Option  
4 x M10 or 3/8" Bolts  
on 114 mm PCD  
Base Diameter 140 mm



C  
NATO 50mm Thread  
GPS Option  
Base Diameter 74 mm  
Base Diameter 95 mm - GPS

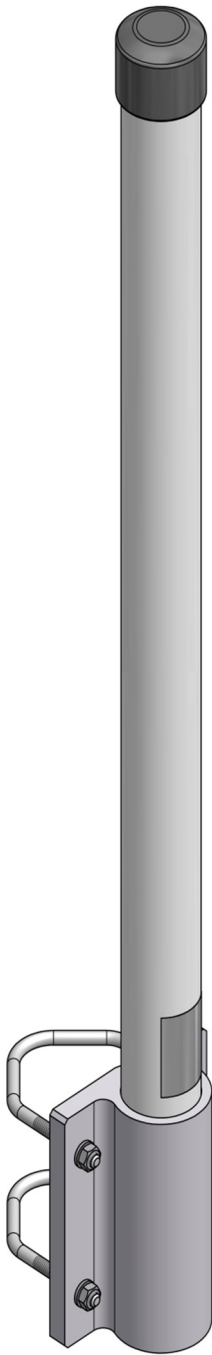


D  
Mast Mount Bracket  
Ø24 mm Spigot  
Ø40 mm Spigot  
Ø50 mm Spigot  
Ø40 mm Socket  
Ø50 mm Socket  
Customer Specified

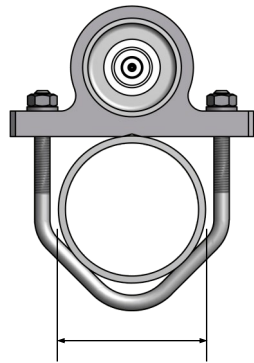


E  
Pole/Rail Clamp Bracket  
Pole diameters up to 65 mm  
0 or 90 degree mounting

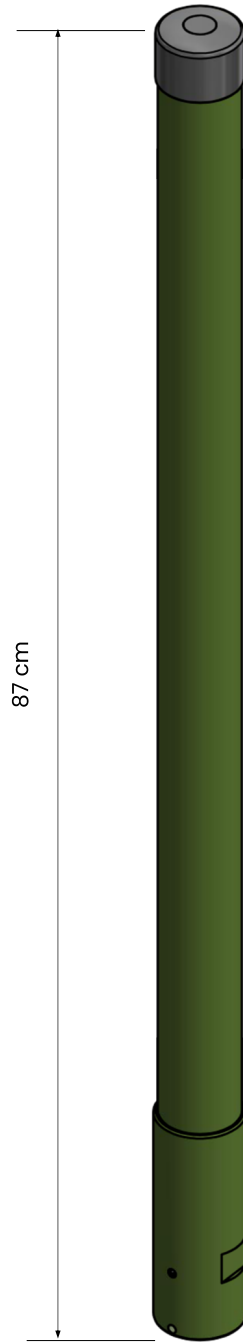
## Antenna Variants



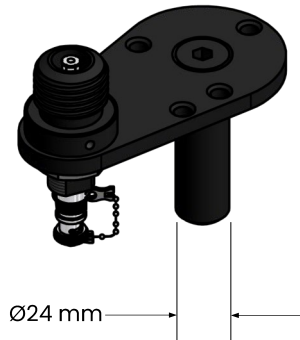
A permanent mast mount version is also available. (Part No. UHF720M)  
Supplied with U-bolts to fit pole size  $\varnothing$  25-65 mm



Mounting pole diameter  
25-65 mm



Mast mount version supplied with mast mounting bracket ( $\varnothing$ 24 mm spigot version shown)



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All specifications are subject to change without notice  
The information contained herein is for reference only and does not constitute a warranty of performance

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