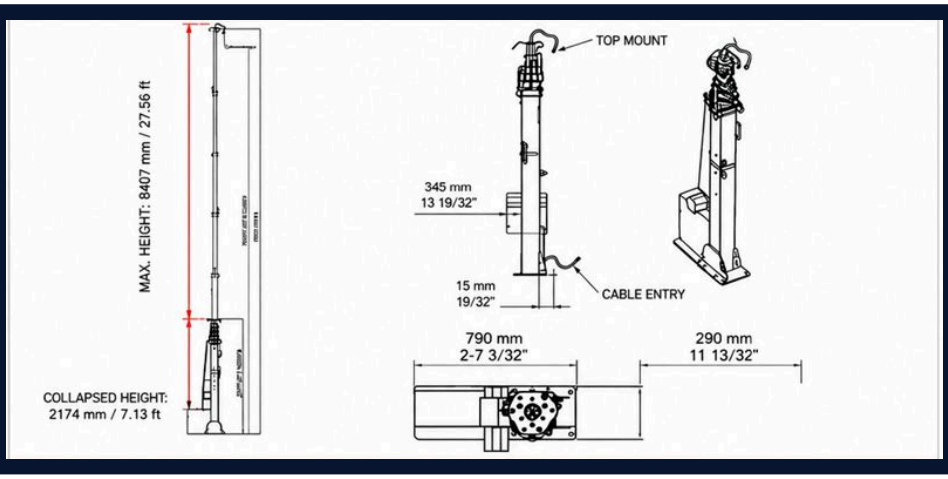
MOBILE · TELESCOPIC OBSERVATION MAST

D-Tower

L2 Layer · Observation & patrol

An electric six-section telescopic mast that lifts a 50 kg camera payload to 8.4 m and folds down to 2.174 m.



KEY BENEFITS

01 Height where there is none
Six sections lift cameras from 2.174 m to 8.4 m with an electric motor.

02 Carries a real payload
50 kg rated load on a standard camera top mount.

03 Made for outdoor duty
IP66, powder-coated aluminium and steel, −40 °C to +60 °C.

HOW IT WORKS

01 Mount
Bolt the 790 × 290 mm base plate in place.

02 Equip
Fit up to 50 kg of cameras on the standard top mount.

03 Raise
The 24 V DC motor extends six sections to 8.4 m.

04 Connect
Route power and video through the base cable entry to your recorder, VMS or D-Command Control.

SPECIFICATIONS

Maximum height	8.4 m / 27.56 ft (8,407 mm)
Collapsed height	2.174 m / 7.13 ft (2,174 mm)
Sections	6
Lifting mechanism	Electric motor and gearbox, gear ratio 170:1
Rated load	50 kg / 110 lb
Weight	74 kg / 163 lb
Operating voltage	24 V DC
Material & finish	Aluminium alloy + steel, powder coated
Top mount	Standard camera mount
Base plate	790 mm × 290 mm
Operating temperature	−40 °C to +60 °C / −40 °F to +140 °F
Storage temperature	−40 °C to +70 °C / −40 °F to +158 °F
Protection rating	IP66

TENDER SPECIFICATION TEXT

1. GENERAL

The system shall be D-Tower by D-FENCE Electronic Fencing and Security Systems Ltd. (ISO 9001:2015 certified quality management), or an approved equivalent that meets every requirement in this section.

2. FUNCTION

An electric six-section telescopic mast that lifts a 50 kg camera payload to 8.4 m and folds down to 2.174 m.

3. THE SYSTEM SHALL PROVIDE

- **Electric lift:** Electric motor and a 170:1 gearbox raise and lower the six sections.
- **Camera-ready top:** Standard camera top mount with a 50 kg rated load.
- **Compact when stowed:** Collapses to 2.174 m for transport and storage.
- **Outdoor rated:** IP66, powder-coated aluminium alloy and steel, –40 °C to +60 °C.
- **Tidy cabling:** Cable entry at the base of the mast.

4. TECHNICAL REQUIREMENTS

- **Maximum height:** 8.4 m / 27.56 ft (8,407 mm)
- **Collapsed height:** 2.174 m / 7.13 ft (2,174 mm)
- **Sections:** 6
- **Lifting mechanism:** Electric motor and gearbox, gear ratio 170:1
- **Rated load:** 50 kg / 110 lb
- **Weight:** 74 kg / 163 lb
- **Operating voltage:** 24 V DC
- **Material & finish:** Aluminium alloy + steel, powder coated
- **Top mount:** Standard camera mount
- **Base plate:** 790 mm × 290 mm
- **Operating temperature:** –40 °C to +60 °C / –40 °F to +140 °F
- **Storage temperature:** –40 °C to +70 °C / –40 °F to +158 °F
- **Protection rating:** IP66

5. DETECTION SEQUENCE

1. **Mount:** Bolt the 790 × 290 mm base plate in place.
2. **Equip:** Fit up to 50 kg of cameras on the standard top mount.
3. **Raise:** The 24 V DC motor extends six sections to 8.4 m.
4. **Connect:** Route power and video through the base cable entry to your recorder, VMS or D-Command Control.

6. SUBMITTALS

Before installation, the contractor shall submit the manufacturer's datasheet, the installation instructions and the zone layout for approval.