MOBILE · VEHICLE & TRIPOD OBSERVATION

NOA

L2 Layer · Observation & patrol

A day and thermal observation kit that clamps onto a patrol vehicle roof or tripod in ≤ 10 min, with no drilling.



KEY BENEFITS

01 **Installs in minutes**
One operator clamps it to the roof light bar or a tripod in ≤ 10 min, with no drilling.

02 **Sees day and night**
×30 day zoom and a 640×512 thermal camera on a 360° pan/tilt head.

03 **Works on the move**
Control, view and record from the cab while driving or parked, ≥ 24 h on both channels.

HOW IT WORKS

01 **Mount**
Clamp the head to the roof light bar or tripod; one cable runs to the cabin.

02 **Observe**
Scan 360° on the day and thermal channels with the joystick.

03 **Record**
The NVR keeps ≥ 24 h of both channels at full resolution.

SPECIFICATIONS

Camera head	DF-PTZ2060N-6T2575 thermal + optical bi-spectrum PTZ, approx. 8.5 kg
Day camera	1/2.8" sensor, 2560×1440, ×30 optical zoom, WDR ≥ 120 dB, 0.001 lux, autofocus
Thermal camera	Uncooled 640×512, NETD ≤ 45 mK, 7.5–14 µm, ≥ 25 FPS, continuous zoom ~25–75 mm
Pan / tilt	360° continuous pan up to 100°/s · tilt up to 40°/s · elevation/depression ≥ 85–90°
Mounting	Roof light bar / bridge, or tripod (working height ~1.5 m, folded ≤ 80 cm)
Installation	≤ 10 min by one operator, no permanent drilling
Display	10.1" LED touchscreen, 1280×800, ≥ 200 cd/m², anti-glare, sunlight-readable
Recording	≥ 24 h continuous, 2 channels (day + thermal), FIFO, H.264/H.265
Battery	≥ 5 h full-performance operation; charging 3–4 h at 230 V AC / 50 Hz
Vehicle power	12 V DC socket (system power + charging)
Environment	−40 °C to +70 °C · IP66+ · drop resistance ≥ 1.5 m

04 **Share**
Live feed and GPS position go to D-Command Control over 4G/5G.

Warranty	3 years; repair within 72 h of a fault report

TENDER SPECIFICATION TEXT

1. GENERAL

The system shall be NOA 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

A day and thermal observation kit that clamps onto a patrol vehicle roof or tripod in ≤ 10 min, with no drilling.

3. THE SYSTEM SHALL PROVIDE

- **Day/night PTZ camera:** 2560×1440, ×30 optical zoom, 0.001 lux, WDR ≥ 120 dB, IP67, IK10.
- **Uncooled thermal camera:** 640×512, NETD ≤ 45 mK, 7.5–14 µm, continuous zoom lens.
- **360° pan/tilt head:** Continuous 360° pan at up to 100°/s, elevation and depression of at least 85–90°, variable speed.
- **Roof or tripod:** Clamps onto a standard roof light bar or a tripod with a working height of about 1.5 m.
- **In-cab control:** Joystick for pan, tilt, zoom and focus on both channels; 10.1" sunlight-readable touchscreen.
- **Recording:** At least 24 h continuous on both channels at full resolution, H.264/H.265, export to Windows/VLC.
- **Power:** At least 5 h on battery, 3–4 h charge from 230 V AC, or the 12 V vehicle socket.
- **Rugged kit:** One hard case for a single operator; IP66+, drop resistance of at least 1.5 m.

4. TECHNICAL REQUIREMENTS

- **Camera head:** DF-PTZ2060N-6T2575 thermal + optical bi-spectrum PTZ, approx. 8.5 kg
- **Day camera:** 1/2.8" sensor, 2560×1440, ×30 optical zoom, WDR ≥ 120 dB, 0.001 lux, autofocus
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- **Mounting:** Roof light bar / bridge, or tripod (working height ~1.5 m, folded ≤ 80 cm)
- **Installation:** ≤ 10 min by one operator, no permanent drilling
- **Display:** 10.1" LED touchscreen, 1280×800, ≥ 200 cd/m², anti-glare, sunlight-readable
- **Recording:** ≥ 24 h continuous, 2 channels (day + thermal), FIFO, H.264/H.265
- **Battery:** ≥ 5 h full-performance operation; charging 3–4 h at 230 V AC / 50 Hz
- **Vehicle power:** 12 V DC socket (system power + charging)
- **Environment:** –40 °C to +70 °C · IP66+ · drop resistance ≥ 1.5 m
- **Warranty:** 3 years; repair within 72 h of a fault report

5. DETECTION SEQUENCE

1. **Mount:** Clamp the head to the roof light bar or tripod; one cable runs to the cabin.
2. **Observe:** Scan 360° on the day and thermal channels with the joystick.
3. **Record:** The NVR keeps ≥ 24 h of both channels at full resolution.
4. **Share:** Live feed and GPS position go to D-Command Control over 4G/5G.

6. SUBMITTALS

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