



Under Vehicle Inspection Mirrors and Cameras Specification Sheet

Undercarriage inspection tools from a 260 g pocket mirror to a recording infrared camera on wheels.

Models in this sheet: Vfinder Portable Under Vehicle Search Camera, WD-MP Pocket Under Vehicle Search Mirror, UVSM Compact 14 cm Under Vehicle Search Mirror, UVSM-2 Under Vehicle Search Mirror with LED Light, UVSM-1 Illuminated Under Vehicle Search Mirror

Figures in this document are those published by the factory for each model. Where a value is shown as TBC it is not published, and we confirm it with the factory before order rather than estimate it. Specifications are subject to change without notice.

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1. Vfinder Portable Under Vehicle Search Camera

The Vfinder is the modular portable camera in this range: a 170 degree adjustable infrared head on a three-section aluminium rod extending from 90 to 110 cm, with a 4.3-inch 640 x 480 LCD that adjusts through 150 degrees. It runs about 5 hours on its lithium battery at 1.5 kg, and a DVR module can be added for recorded inspections.

Key benefits

- 170 degree adjustable infrared camera head
- Three-section aluminium rod from 90 to 110 cm, collapsing without tools
- 4.3-inch colour LCD adjustable through a 150 degree arc
- About 5 hours of use from a lithium battery, 3 hours charging
- Modular design configurable to the customer's requirement

Specification

Camera	170 degree adjustable infrared, CCD with or without IR
Monitor	4.3-inch 16:9 colour LCD, 640 x 480 pixels, adjustable through 150 degrees
DVR	up to 8 GB SD card recording, on the DVR model
Eye-Wear Monitor	42 inches visual size, optional
Rods	Three-section light aluminium, 90 cm to 110 cm
Battery	Lithium
Using Time	about 5 hours
Charging Time	about 3 hours
Unit Weight	1.5 kg
Unit Packing	62 x 36 x 9 cm
Carton	11 kg, 5 pieces
Power	12 V DC, charger 110 to 230 V AC

2. WD-MP Pocket Under Vehicle Search Mirror

The WD-MP folds flat into a jacket pocket at 260 g, with a telescopic handle extending to 460 mm that stays completely rigid, which is what keeps the image stable at full extension. An integral flashlight works with the mirror open or closed, and a tactical version with an acrylic mirror is available for unobtrusive close-in observation.

Key benefits

- Folds flat for a jacket or uniform pocket at only 260 g
- Telescopic handle extends to 460 mm and stays completely rigid
- Integral flashlight usable with the mirror open or closed
- Tactical acrylic-mirror version for unobtrusive observation
- Supplied with 2 x AAA batteries and a spare lamp in a stowage compartment

Specification

Weight	260 g (9.2 oz)
Maximum Rod Length	460 mm (18.1 in)
Overall Dimensions Closed	155 x 90 x 20 mm
Mirror	Convex glass, or acrylic on the tactical version
Wheels	Pocket type, without wheels
Material	Acrylic lens, alloy mirror housing and telescopic rod
Lighting Source	LED torch

Supplied With	2 x AAA batteries and a spare lamp in a stowage compartment
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3. UVSM Compact 14 cm Under Vehicle Search Mirror

A 14 cm inspection mirror on an aluminium alloy rod that stretches from 45 to 110 cm, so the operator checks under a vehicle without bending over. The mirror turns through 180 degrees, which is what lets a single pass cover both sides of a wheel arch or chassis member.

Key benefits

- Rod stretches from 45 to 110 cm so the operator does not bend over
- 180 degree turn covers both sides of a structure in one pass
- Aluminium alloy rod, light weight with high strength
- Only 0.3 kg per piece, practical for long shifts
- Acrylic lens rather than breakable glass

Specification

Category	Inspection mirror
Diameter	14 cm
Weight	0.3 kg per piece
Length	45 to 110 cm
Lens Material	Acrylic
Rod Material	Aluminium alloy
Rotation	180 degrees
Packing	One piece per box, 10 pieces per carton

4. UVSM-2 Under Vehicle Search Mirror with LED Light

A 30 cm convex mirror on a three-wheel trolley with an 88 cm rod and superpower LED white light, running from a 12 V DC rechargeable battery. The mirror tray uses materials specified not to age or break easily, and the whole thing folds for transport at 1.75 kg net.

Key benefits

- 30 cm convex mirror giving a wide view of the undercarriage
- Superpower LED white light for dark undercarriages
- Three wheels so the mirror rolls rather than being carried
- Non-friable acrylic mirror instead of mercury-plated glass
- Folding design at 1.75 kg net, easy to carry between checks

Specification

Mirror Size	30 cm diameter convex
Connecting Rod Length	88 cm, adjustable from 46 cm
Supplementary Lighting	Superpower LED white light
Power	12 V DC rechargeable battery
Net Weight	1.75 kg
Gross Weight	5.2 kg
Package Size	61 x 39 x 18 cm
Mirror Material	Non-friable acrylic

Rod Material	Aluminium alloy
Wheels	Three, rotating

5. UVSM-1 Illuminated Under Vehicle Search Mirror

A 12 inch convex mirror on castor wheels with a long non-slip handle that swings to the horizontal, which is how it reaches deep under a vehicle rather than stopping at the sill. The magnetic LED wand detaches from the mirror and works as a separate search light, and the kit ships with a carry bag at 2.5 kg per unit.

Key benefits

- Handle swings to horizontal to reach far under a vehicle
- Detachable magnetic LED wand doubles as a hand search light
- Mounted on castor wheels so it rolls rather than being carried
- 2.5 kg per unit with a carry bag supplied
- Detects under vehicles with a minimum ground clearance of 10 cm

Specification

Mirror	12 inch convex
Viewing Angle	170 degrees
Detectable Minimum Height	10 cm ground clearance
Unit Weight	2.5 kg
Package Size	640 x 470 x 350 mm, 5 pieces per carton
Carton Gross Weight	14 kg
Kit Contents	Convex mirror, 3-piece tube set, torch holder, LED torch, wheel set
Carry Bag	Supplied
Rod Material	Aluminium