

Inspection mirror, small

- Compact shape
- Foldable
- For daylight and low light conditions
- Multiple application
- Protective isolation

The EFIS® S is the basic version within the EBINGER range of inspection mirrors for police and military. It's intended use is the support of an inspection of vehicles at checkpoints and to search boats, aircrafts, trains and parts of buildings etc.

Although of small size when collapsed (pocket version) it can be extended to reach into cavities and voids. EFIS® S can be used in engine bays and next to electrical wiring as the surface of the device comes with a protective isolation to avoid sparks or short circuits.

EFIS® S is supplied with two mirrors of different size which are very easy to exchange. The telescopic handle can be extended between 30 and 50 cm and carries a powerful LED placed next to the mirror. The device can operate for up to 90 hours on commercial disposable dry cells (AA) or from rechargeable NiMH cells.



EFIS® S inspection mirror, small

Technical Data

Measures	
Mirror small	approx. Ø 50 mm
Mirror big	approx. Ø 75 mm
Telescope	approx. 290 - 490 mm
Illumination	by LED
Power consumption	approx. 50 mA
Power supply	3 AA micro cells (LR6)
Weight	approx. 390 g
Operation time	approx. 90 h continuous use

NSN 5120 – 12 – 386 – 4337



EFIS® S inspection mirror, small



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EFIS®
Search mirrors and video inspection devices for search and vehicle inspection by customs, police, military or by security companies

- EFIS® 1: Inspection mirror, general purpose
- EFIS® 4: Under vehicle search mirror, wheeled
- EFIS® V: Video inspection device
- EFIS® S: Inspection mirror, small



Universal Inspection mirror

- Lightweight, rugged and weatherproof
- Xenon light
- Various mirror heads
- Wheels for large mirror diameter
- Extendable telescopic handle

The EFIS® inspection mirrors were designed to support a fast inspection of vehicles and parts of buildings which are difficult to access. There are various fields of application: vehicle undersides, baggage racks, areas over or under furniture, hollows and space in between as well as difficult to access building parts can be inspected rapidly.

This assists the police, customs, military and security companies to carry out a substantial accurate and thorough inspection as well as a quick handling at the inspection points.

The lightweight and rugged design of the handheld EFIS® 1 and its stepless adjustment make it easy to use in different working conditions. The telescopic handle is fitted with clamps to carry a torch with a high performance LED for operation in low light conditions.

The pivoting mirror is slightly convex to enlarge the view. Different sizes of mirror heads can be supplied upon demand. Mirror heads of a diameter of Ø 300 mm and more are fitted with wheels.



EFIS® 1 inspection mirror with torch

Technical Data

Telescopic handle	Extendable from 1,100 to 2,000 mm length
Version	Anodised aluminium, rotation protected
Mirror head measures without protective frame	approx. 185 x 135 mm approx. 135° pivotable
Lamp type	Splash waterproof
Light	1 W high performance LED
Batteries	2 x 1,5 V D-cell (LR 20) or 2 x 1,2 V rechargeable NiMH D-cell batteries
Weight with lamp	approx. 1,400 g
Operation time	approx. 10 h continuous operation

NSN 5120 - 12 - 349 - 3304

Upon request the following special versions can be supplied: square inspection mirror 150 x 250 mm or 220 x 310 mm, halo shaped inspection mirrors of Ø 300 mm (measures without protective frame), mirrors made from polished stainless steel.



EFIS® 1 inspection mirror with torch

Unterboden-Kontrollspiegel

- Easy to handle, sturdy, weatherproof
- With illumination
- Wheeled
- Demountable for transportation

The wheeled search and inspection mirror EFIS® 4 is an efficient and simple to use tool for a fast inspection of vehicles.

The large, swivel mounted mirror head is available as a standard glass or a special stainless steel version. The metal version has proven its worth when used in harsh conditions and in continuous operations. The device is equipped with 10 splash waterproof LEDs of low power consumption.

The construction is ergonomic and the telescopic handle can be adjusted to suit tall and short operators. It can be extended to reach under large vehicles.

The EFIS® 4 incorporates a battery compartment for three commercial 1,5 V C-cell batteries (type LR 14) which provide the power for the LEDs. Batteries are easy and fast to change. Upon request rechargeable NiMH batteries and a robust battery charger are available as accessories.

Optionally it can be delivered with remote mechanical adjustment of the mirror angle. Upon request it can be delivered as a very robust special version of polished stainless steel. A 200 x 400 mm sized mirror head is available as option.



EFIS® 4 with mechanically adjustable mirror head

Technische Daten

Measures	
Chassis	approx. 410 x 424 x 173 mm
Mirror	approx. 300 x 200 mm
Telescope	approx. 1,030 - 1,290 mm
Illumination	10 x special LEDs
Power consumption	approx. 500 mA
Power supply	3 x 1,5 V C-cell (LR 14) or 3 x rechargeable 1,2 V C-cell type NiMH battery
Weight	approx. 4.000 g
Operation time	approx. 20 h with dry alkaline batteries, approx. 9 h with rechargeable batteries

NSN 5120 - 12 - 379 - 8431



Illuminated EFIS® 4 under vehicle mirror

Video inspection unit

- Clear view in day and night operation
- Wide extension and adjustment range
- Compact video search head
- Versatile application
- Optional: video recording function

The EFIS® V video scope completes the EBINGER range of viewing tools. Different to the optic mirrors EFIS® V applies a miniature CCD camera and a colour monitor.

Due to the small size of the video head and the wide extension of the telescopic handle (extendable up to 3m) even very difficult to access areas can be inspected easily.

EFIS® V is also used for inspection of wheel wells of aircrafts. The device is widespread in use with police, customs, prison service and commercial security companies.

The simplicity of use, the large extension range of the telescopic handle and the high image quality of the TFT screen make the EFIS® V a well liked and versatile tool in everyday work. The camera can be moved in various directions and tilted by a remote control knob in the handgrip. For work in low light conditions or during nighttime the camera can come with an LED infrared illumination.



EFIS® V video control unit

Technical Data

Camera module	CCD-chip 1/3" (colour) or 1/3" (b&w)
Camera resolution	320 x 290 Pixel, 330 TV-lines (colour) or 500 x 552 Pixel 400 TV-lines (b&w)
Lens	F = 2,0 / f = 3,6 mm
Light sensitivity	0,1 Lux (colour) or 0,1 Lux (b&w)
Auto shutter	1/50 + 1/100000s (colour) or – to 1/10000s (b&w)
Operation temperature	-10 to + 50°C (camera) or to +40°C (screen)
Screen	TFT - active matrix 17,8 cm (7")
Resolution	960 x 234 Pixel
Length	1250 - 3000 mm
Power consumption	750 - 1250 mA (without/ with remote control)
Weight	approx. 4.000 g
Battery capacity	3,8 Ah rechargeable Ni-MH
Operation time	approx. 0,5 h 8 x dry batteries LR 14 or 8 h 3,8 Ah rechargeable batteries NiMH

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The camera is available as a black & white or a colour version. Power is supplied from 8 disposable 1,5 V Ccell batteries or from a compact rechargeable Ni-MH battery pack. The EFIS® V is also available with video recording function on SD-Card.



EFIS® V with optional recording device