



FINGERPRINT PRODUCTS  
INFRA-RED DOCUMENT EXAMINATION  
ULTRA-VIOLET LAMPS  
FRONT LINE DOCUMENT EXAMINATION  
SEARCH EQUIPMENT



# ***CHECKPOINT-DC***

*Portable Document Checking System*

***A front line system for the verification of passports and visas at border control points***

## ***Features:***

***Light weight***

***DC & mains power***

***Large Examination area***

***Nine light sources***

***Optional carrying case***

***Hands free working***

***Unique safety features***





## Checkpoint - DC Specification

The Checkpoint-DC is a cost effective instrument for the examination of travel documents at border control points or for mobile patrols. Nine integral light sources allow the examination of most visual security safeguards found on the latest passports and visas, as well as offering the facility to check for alterations and additions to documents. Power can be from the local mains supply or from any 12 volt dc source, allowing the Checkpoint-DC to be used in patrol vehicles, and for transportation a padded carrying case is available as an option.

### LIGHT SOURCES

#### Overhead incident white

Two 10 watt quartz halogen for the visual examination of print quality and for checking for evidence of tampering.

#### Overhead incident Ultraviolet

Three wavelengths of ultraviolet illumination for the highlighting of security safeguards or for exposing alteration and staining.

##### 365nm longwave Ultraviolet

4 x 6 watt black light blue lamps (total lamp power 24 watts)

##### 313nm midwave Ultraviolet

A single compact 9 watt lamp with a narrow emission band at 313nm

##### 254nm shortwave Ultraviolet

A single compact 9 watt lamp

The 313nm and 254nm lamps are housed behind a special filter which blocks any visible lights from the lamps which might interfere with the highlighting of fluorescent security safeguards.

#### Transmission

Three light source housed behind a transmission window in the examination area which are used to verify transmission security safeguards such as threads, watermarks, perfect resolution printing and embedded fibres.

##### Diffuse white

Two 11 watt compact lamps giving even illumination of the complete examination area, principally used for the checking of watermarks.

##### Spot white

A single 20 watt halogen lamp giving an intense beam for the examination of obliterations and suspected photo substitution.

##### Longwave Ultraviolet

Two 6 watt 365nm black light blue lamps for the highlighting of paper and printed security safeguards from the rear.

#### Oblique

A 20 watt halogen lamp mounted at the rear of the examination area provides glancing illumination over the working area for the examination of erasures, dry stamps and indented writing.

#### Coaxial

A 20 watt halogen lamp to reveal retroreflective security safeguards in laminates. A narrow beam of light is reflected off the front window of Checkpoint-DC to produce a beam onto the document which is coaxial with the operator's eyes and so hidden images may be seen.

#### Intensity Adjustment

The overhead incident light, oblique and coaxial lamps may be adjusted in brightness with a simple push button control.

#### Lamp Switching

All the lamps are controlled from a single navigation switch assembly; a lamp is selected by pressing the up or down buttons and then pressing the OK button; the selected lamp may be switched off by either pressing the OK button again or selecting another lamp.

The left/right buttons of the navigation switch adjust the brightness of the overhead incident light, oblique and coaxial lamps.



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### MAGNIFICATION

#### Magnifier

An integral 75mm circular magnifier with 3X magnification and with a local area of 6X magnification. The magnifier is attached to the Checkpoint-DC with a chain so that it may be used anywhere inside or outside the examination area. This allows maximum flexibility not provided by a fixed position magnifier; when not in use the magnifier is stored on the side of the Checkpoint-DC.

#### Loupe

A 10X stand loupe with a removable reticule for the checking of fine print and microprinting; the loupe is stored in a clip on the rear of the Checkpoint-DC when not in use or for transport.

### POWER

A switched mode external power supply with mains cable is supplied with each system. Specification: Power input 100 to 240 volts ac at 1.8 amps, power output 12 volts dc at 5 amps. Dimensions 110 x 60 x 35 mm, weight 550 grams with cable. The cable is supplied to suit local power outlets. Alternatively any 12 volt dc power supply capable of sourcing 5 amps may be used, and with suitable connecting cables the Checkpoint-DC may be run from a vehicle supply.

### MECHANICAL

Footprint: 358mm (width) x 328mm (depth)

Height: 300mm including handle

Weight: 6kg

Examination area: 300mm (width) x 230mm (depth) - A4 size

### DOCUMENT HOLDING

The Checkpoint-DC has a unique document holding feature which allows hands-free document examination. Two pairs of embedded magnets behind the transmission window are used with two flexible steel strips to hold documents firmly in place whilst being checked, particularly useful when examining open passport pages.

### SAFETY

A system of UV blocking windows ensures that the amount of ultraviolet radiation reaching the operator is minimised. In addition, the Checkpoint-DC has detectors that switch off the 254nm and 313nm UV lamps when the operator's hands enter the examination area.

### OPTIONS

#### Carry case

A soft carrying case with a shoulder strap is available for transporting the Checkpoint-DC. The case has a tool pouch for housing the power supply and power cables and other examination tools.

To order this option specify Checkpoint-DC + case

#### UV option

A more economical version of the Checkpoint-DC is available when the 254nm and 313nm lamps are not required, and in this option only the 365nm ultraviolet lamps are fitted.

To order this option specify Checkpoint-DC / UV365

#### Cable option

Two additional cables can be supplied for connecting the Checkpoint-DC to either the cigarette lighter socket of a vehicle or to a battery using clips.

To order this option specify Checkpoint-DC + cables

