

### VIPER UNDERDOOR VIEWER

The latest Underdoor Viewer is called VIPER UDV, because of its dual strike capability and has been designed to obtain live video and audio from within a confined space by the insertion of a 4mm blade width.

Utilising a concept never achieved before, the image is taken to the very forefront of the blade with a 2.10 mm diameter tube, providing the very best images available to commanders preparing risk assessments.

The Underdoor viewer is an integral part of any Rapid Intervention Team, and provides that vital intelligence of numbers of persons that are secreted within a given area, and



provides the intelligence on weapons being used, and layout of a stronghold, before rapid entry is made or considered.

The unit is made from a ruggedised aluminium, and presented in matt black with its own supporting handle, and on board rechargeable battery supply, providing up to 3 hours of continuous use in adverse operational conditions.

A simple BNC video out socket on the base of the monitor allows live remote monitoring to be achieved throughout the insertion of the VIPER UDV with audio recovered as well.

A microwave transmitter can be used at this point to transmit the audio and images away from the insertion point if required.

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# TECHNICAL SPECIFICATION

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## MONITOR

**Video Inputs:** Coded - 1V pk-pk CCVS PAL (or NTSC to order) Auto Termination BNC Connector placed at lower edge of monitor

**Display:** 5 inch diagonal, 960 x 234 dot active matrix TFT-LCD panel. Pixel configuration striped

**Viewing:** Horizontal - +/- 60 degrees

**Vertical:** - +15 to - 35 degrees

**Brightness:** Typically 250cd/m

**Controls:** Front panel: ON/OFF switch, Audio level, Contrast, Brightness

**Supply:** Provided by 12V DC onboard rechargeable battery pack

**Dimensions:** 144 W x 140 H x 30D mms

**Temp:** -10 deg. to +45 deg C ambient

**Audio:** Knowles Microphone connected to audio Circuitry within the monitor

## BODY

**Power:** Illuminated ON/OFF Switch on top edge of Monitor

**Rechargeable Port:** Four pin XLR panel socket

**Charger:** Four stage ACS 110 chargersupplied with world wide DC connectors and terminated with 4 pin XLR plug *(Please read instructions before use for charging process)*

**Blade:** 4mm insertion blade encompassing latest optical array at 2.1mm and Knowles microphone cable. The blade should never be bent but simply placed under the door using the base plate as the template level with the floor. Any other method could damage the optical array.

**Handle:** The machined handle is a non slip carrying and operating handle. Care should be taken to ensure this handle is always screwed tightly to the base plate.

## CAMERA

**Overview:** High resolution SONY HAD 1/3" CCD solid state imaging device

**Pixels:** 795(H) x 595(V)

**Scanning:** 2:1 Inter Lace

**Resolution:** 600 TV Lines

**S/N Ratio:** More Than 45Db (AGC Off)

**Power:** 12v DC supplied by the onboard rechargeable battery pack @ 100Ma consumption

**Gamma:** 0.45 correction

**Low Lux Sensitivity:** Super HAD CCD 0.0003Lux @ F1.2 / 30 IRE

**Shutter:** 1/50-1/1000,000 sec/auto

**Video Output:** Composite 1 Vp – p

**Current :** 100 mA or less

**Op. Temperature:** -10C to + 50C

**Lens Configuration:** 3.6mm

