



Cameras – PTZ

The high-speed Sanyo dome is specified for this application features dual mode Day/Night filtering at high resolution of over 520TVL. The camera detects low light levels, at which it switches to monochrome for sharper image definition, while automatically reverting to full colour in daylight. The camera is housed in a waterproof external casing, offering full protection at a range of temperatures of -20°C to 50°C, which is suitable for mounting on poles or walls on swan-neck brackets. The lens is a 3.6-79.2mm auto-focus 22x optical zoom lens; digital zoom can increase this 16-fold to a total of 352x zoom.

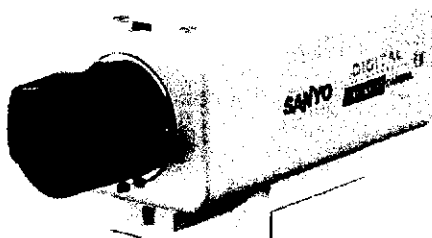
The dome offers 80 preset positions, programmable into 4 sequences, as well as 4 privacy masking areas. The movement of the dome is controllable both remotely through the DVR's network capabilities and locally at the DVR. The dome's movement capabilities are as follows:

- Pan range of 360° at speeds of up to 300° per second, at a range of manually controlled speeds of 0.5°-140° per second
- Tilt range of 90° with a flip function giving a total of 180° at speeds of up to 300° per second, at a range of manually controlled speeds of 0.5°-140° per second



Cameras - Fixed

The Sanyo VCC-4795P camera as specified for all fixed camera positions. This is a high-quality Day/Night camera, operating from light levels as low as 0.01 Lux. The camera offers a high resolution of 520TVL, or 470k pixels, also featuring in-built Digital Signal Processing technology which enhances the cameras colour profile. The camera offers two levels of backlight compensation. At a light level of 0.45 Lux the camera switches from colour to monochrome automatically.



The camera is bracket-mounted in an IP66-rated housing; the standard quote has allowed for replacing existing cameras and retaining existing housings where possible; please consider Option A to upgrade all old housings. Please also note that this housing can have infra-red lamps retro-fitted if later required. All cameras will feature signage, and data protection signs have been included.



Sales: 01245 214104 Purchasing: 01245 214106
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ClearView Communications Limited
Widford Industrial Estate, Robjohns Road
Chelmsford, Essex, CM1 3AG, UK
Tel: 01245 214100 • Fax: 01245 214101
E-mail: info@clearview-cctv.com
Web: www.clearview-cctv.co.uk

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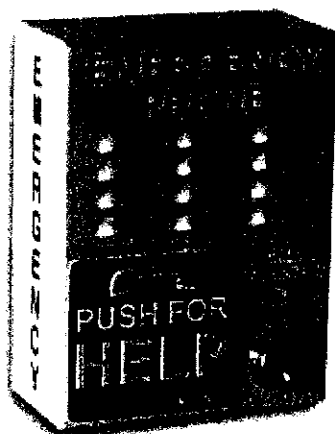
Proposed System Arrangement

Overview

The proposal is to install 3 DVRs within the selected high street shops, to record the council's cameras as detailed within this proposal, and with the capacity to include the shops' own cameras as an incentive. There will be 3 new PTZ domes, one at each shop, and 7 new day/night cameras installed as replacements for old cameras using existing cabling and at new locations. There will also be a help-point at each shop, with all cabling concealed, which will auto-dial to a hunt group.

Help Points

The proposal is to use 3 help points as the model shown below. These units are designed to be DDA compliant, with Braille instructions for the visually impaired and high-visibility finish with a single large button. The units are built to be fully vandal and weather resistant, ideal for an application such as this. All internal components are fully isolated physically and electrically for protection from the environment.



The unit uses standard analogue technology for full compatibility to autodial to up to 5 locations. The call points run off low-voltage supplies, which can be protected by an optional Uninterruptible Power Supply (UPS), detailed as Option B.

The help points will use the dedicated lines for the broadband DVR connections, ensuring that the lines will always be available without having to use a dedicated VOIP exchange.