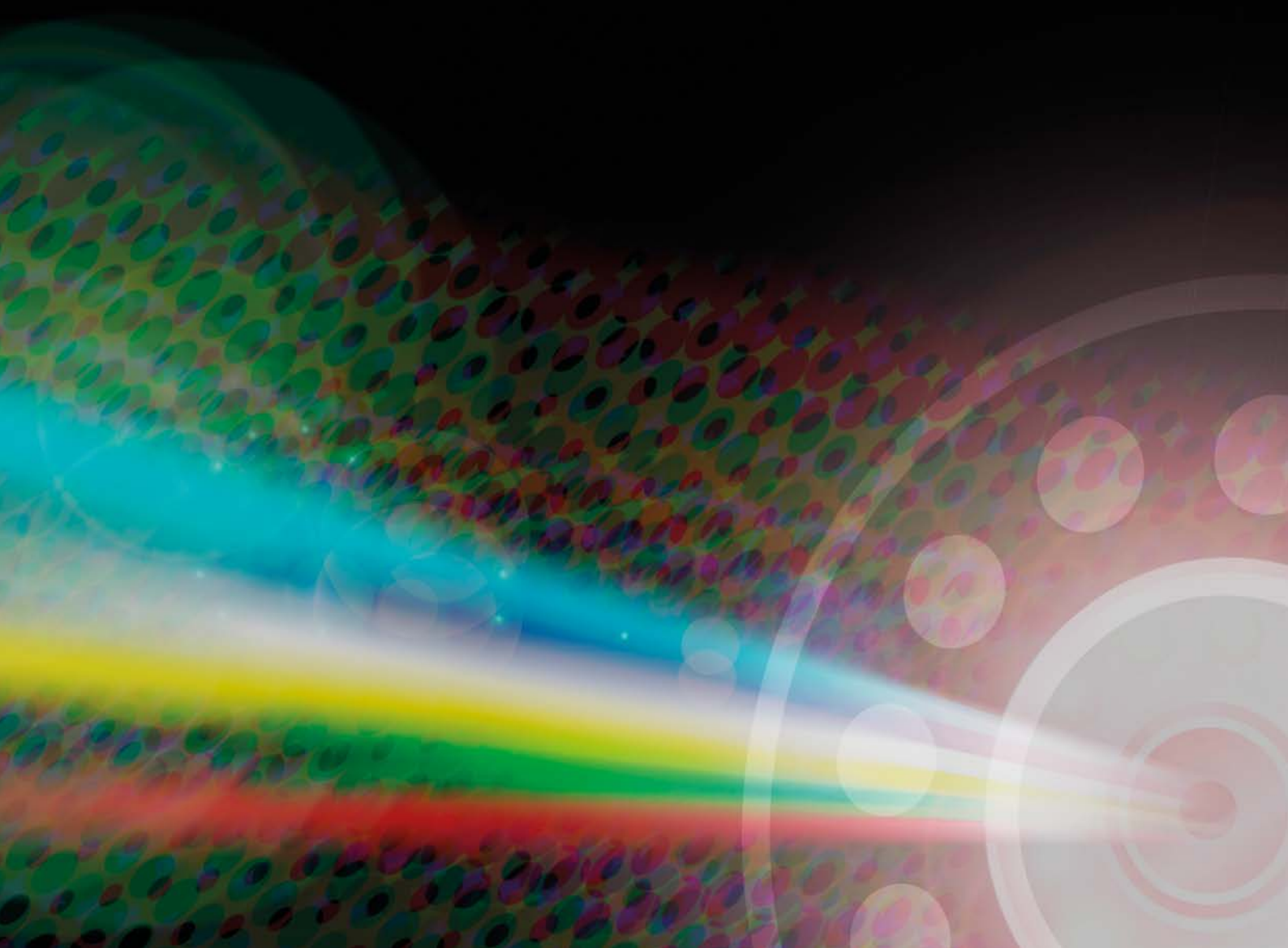


 **MADE IN
BRITAIN**



UNDER VEHICLE SURVEILLANCE SYSTEM

S-COMM is a portable or permanent real time colour UVSS system designed and manufactured in the UK by SAE Systems to provide an affordable, robust and dependable under vehicle examination system for all vehicle check points on any terrain day or night.



THE AFFORDABLE ROBUST AND DEPENDABLE SOLUTION FOR ALL VEHICLE CHECK POINTS ON ANY TERRAIN



S-COMM's unique adjustable camera arrangement allows the end user to position each camera in a forward, vertical or rear facing position enabling sharp and accurate under vehicle images penetrating even the deepest recesses. Its high intensity led illuminated cameras coupled to the latest in Sony camera technology ensure sharp and accurate high frame rate imagery and video feedback to the controller day or night and in any conditions.



Rated to IP68 the electronics and camera package is water resistant and can be located on virtually any terrain prone to flooding.

The simple plug&play set up procedure means the S-COMM can be installed on site and working in a matter of minutes in a portable format or permanently bolted to the road surface in less than an hour.

The Fusion 5X 1080p TVI is a class leading high definition digital video recorder providing up to 1 month of recording time on its integral 1TB hard drive, in conjunction with the Flexscan S1934 19" LED Monitor the S-COMM6 UVSS provides the operator with the latest in TVI image quality.

The S-COMM UVSS comes supplied with a 6 camera configuration, designed specifically to handle both standard

sized vehicles and also larger HGV/Tractor vehicles. The S-COMM is the ideal UVSS system where vehicle undersides need to be checked and monitored whilst being able to keep the traffic flowing.

Specific attention has been given to the cable and wiring looms, the UVSS to DVR cable link is engineered from multi core coaxial cable individually shielded in pvc and steel flexible conduit capable of standing up to constant vehicle traffic without any fuss or impact on the integrity of the cables.

Each cable loom is 10m long as standard, allowing plenty of flexibility in the location of the UVSS in relation to the control point. The cable can be tailored to meet customer requirements if longer or shorter lengths are required.

No compromise has been made in the build quality of the S-COMM, its rugged design means virtually no maintenance is required and training is minimal and fully covered in the user information provided with the system.

UVSS S COMM CAMERA TECHNOLOGY

C5032HD IP68 DSP COLOR CIRCULAR CAMERA HIGH RESOLUTION 1080P TVI

The high-quality C5032HD IP68 rated cameras are water resistant and designed specifically for use with the SAE range of S-COMM UVSS systems.



TECHNICAL SPECIFICATION

| | |
|-------------------------|--------------------------------------|
| Lens | F=3.6 |
| Light source | 12pcs white LED |
| Specification | 1/3 SONY 1080p TVI Super Low Lux CCD |
| Signal System | PAL |
| Pixels | 1920x1080 |
| Horizontal Resolution | 1080p TVI |
| Minimum illumination | 0.0001Lux |
| Sync System | Internal |
| S/N Ratio | ≥48dB |
| White balance | Auto |
| Electronic Shutter | Auto |
| Auto Gain Control (AGC) | Auto |
| Backlight compensation | (HLC) |
| Auto Iris | Video/DC |
| Power Supply | DC12V |
| Operating Current | 90mA |
| Operation Temperature | -20°C-+60°C |
| Dimensions | 50x52mm |
| Net weight | 180g |
| Video output | 1Vp-p75Ω Composite BNCx1 |
| Video connector | BNC |
| Power connector | 2.1mm Female DC connector |

VIPER HDA-08 DVR – HD 1080P TVI



The S-COMM Viper HDA-08 is a high definition 1080p TVI quality DVR offering AHD video formats.

The Viper HDA range comes as a 1U high box that can accommodate 2 hard disk drives, allowing up to 16TB of internal storage (2TB as standard). If additional storage is required iSCSI devices can be attached via the network connection.

Being part of the Viper range they all operate on the same intuitive Graphical User Interface (GUI), VIPER Central software client and VIPER Remote apps.

KEY FEATURES

- TVI/AHD/CVBS – recording up to full HD resolution
- Hybrid IP recording up to 3MP
- Up the coax TVI camera control
- “WARP” function for multi-device control
- SMART and Thumbnail search functions
- VKBD4 keyboard compatible
- CVBS spot output for analogue cameras on 8 and 16 channel DVRs

TECHNICAL SPECIFICATION

| | |
|------------------------------------|---|
| Video Input Channel | Up to 8ch (8 BNC, 2 IP configurable) |
| Looping Inputs | No |
| Video Input Type | AHD, TVI, CVBS, IP |
| Video Input Resolution BNC | 1080p, 720p, 960H, D1 (CVBS) |
| Video Input Resolution IP | Up to 3M |
| Display Output | 1 VGA, 1 HD Output, 1 BNC (Spot, CVBS) Note: Spot monitor only for analogue cameras |
| Display Resolution VGA, HD, Output | 1920×1080, 1280×720, 1024×768 |
| Display Resolution Spot | 1.0 Vp-p (75 ohm, Composite) |
| Display Speed | 200/240fps |
| Display Mode VGA, HD, Output | 1/4/9 Split, PIP, Sequence |
| Compression | H.264 |
| Recording Resolution BNC | 1080p, 720p, 960H |
| Recording Resolution IP | Up to 3M |
| Recording Speed | Main stream: 200/240fps @ 1080p Sub Stream: 200/240fps @ VGA |
| Simultaneous Playback | 1/4/9 Split |
| Playback Mode | Backward, Forward 2x~64x |
| Search Mode | Time, Event, Thumbnail, Text, Smart(motion) |
| Internal HDD | 2 SATA Interfaces |
| External Storage | iSCSI |
| Backup | USB, Network |
| Ethernet | 1 RJ45 10/100/1000 Base-T |
| Remote Monitoring | VIPER_Central software client, VIPER_Remote iOS and Android apps |
| Audio | 4 RCA Input/1 RCA Output, 1 HD Output |
| Alarm | 4 Input/1 Output (Terminal block) |
| Serial Port | 1 RS485 (Terminal block) |
| USB | 2 USB (front) |
| Dimension (WxHxD) | 378x47x317mm |
| Rackmount | Use shelf – Part code – 0749450 |

FLEXSCAN S1934 19" LED MONITOR

1080P TVI QUALITY



The S1934 monitor has been specially selected and tested in conjunction with the S-COMM6 UVSS and DVR to optimise 1080p TVI quality imagery.

Height & Tilt Adjustable

The height and swivel adjustments facilities are especially useful in a control room environment when operator ergonomics are important.

Selectable Optimised Brightness with Auto EcoView

The Auto EcoView function is a sensor on the front of the monitor that measures ambient light and optimizes the screen's brightness so the monitor remains at optimum brightness in all light conditions whilst reducing power consumption at the same time. This is a turn on/ turn off feature selected via a button on the front of the monitor.

TECHNICAL SPECIFICATION

| | | | |
|---|--|---|---|
| Model Variations | With Height Adjustable Stand, with Tilt Stand | Dimensions (Landscape, W x H x D) | With Height Adjustable Stand: 405 x 406.5 – 506.5 x 205 mm With Tilt Stand: 405 x 414 x 205 mm |
| Cabinet Color | Black | Dimensions (Without Stand, W x H x D) | 405 x 334 x 61.5 mm |
| Type | IPS | Net Weight | With Height Adjustable Stand: 5.6 kg / 12.3 lbs With Tilt Stand: 4.6 kg / 10.1 lbs |
| Backlight | LED | Net Weight (Without Stand) | 3.8 kg / 8.3 lbs |
| Size | 19" / 48 cm | Height Adjustment Range | With Height Adjustable Stand: 100 mm With Tilt Stand: – |
| Native Resolution | 1280 x 1024 (5:4 aspect ratio) | Tilt | With Height Adjustable Stand: 30° Up, 0° Down With Tilt Stand: 30° Up, 5° Down |
| Viewable Image Size (H x V) | 374.8 x 299.8 mm | Swivel | With Height Adjustable Stand: 35° Right / 35° Left With Tilt Stand: – |
| Pixel Pitch | 0.293 x 0.293 mm | Pivot | With Height Adjustable Stand: 90° With Tilt Stand: – |
| Display Colors | 16.77 million from a palette of 1.06 billion | Hole Spacing (VESA Standard) | 100 x 100 mm |
| Viewing Angles (H / V, typical) | 178°, 178° | Operating Temperature | 5 – 35 °C |
| Brightness (typical) | 250 cd/m ² | Operating Humidity (R.H., non condensing) | 20 – 80 % |
| Contrast Ratio (typical) | 1000:1 | Certifications & Standards (Please contact EIZO for the latest information.) | TCO Certified Displays 7, EPEAT Gold (height adjustable stand version) / Silver (tilt stand version) (US), TUV/Ergonomics, TUV/GS, RCM, CE, CB, cTUVus, FCC-B, CAN ICES-3 (B), TUV/S, VCCI-B, EPA Energy Star, RoHS, WEEE, China RoHS, CCC, EAC |
| Response Time (typical) | 14 ms (Gray-to-Gray) | Supplied Accessories (May vary by country) | AC power cord, signal cables (D-Sub – D-Sub, DVI-D – DVI-D), audio cable, setup guide, CD-ROM (PDF user's manual) |
| Input Terminals | D-Sub mini 15 pin x 1, DVI-D 24 pin x 1 (with HDCP), DisplayPort x 1 (with HDCP) | Country of Origin | Japan |
| Digital Scanning Frequency (H / V) | 31 – 64 kHz, 59 – 61 Hz | Warranty | Five Years |
| Analog Scanning Frequency (H / V) | 31 – 64 kHz, 55 – 61 Hz | | |
| Sync Formats | Separate | | |
| Power Requirements | AC 100 – 240 V, 50 / 60 Hz | | |
| Maximum Power Consumption | 21 W | | |
| Typical Power Consumption | 9 W | | |
| Power Save Mode | Less than 0.5 W | | |
| Power Management | Power Save (VESA DPM and DVI DMPM) | | |
| Preset Modes | Color mode (Paper, sRGB, User1, User2, DICOM) | | |
| Auto EcoView | Yes | | |
| OSD Languages | English, French, German, Italian, Japanese, Simplified and Traditional Chinese, Spanish, Swedish | | |

QUICK AND EASY INSTALLATION

S-COMM is designed for quick and easy installation. The unit arrives crated with top covers in place, if you are planning on a temporary siting of the UVSS for low traffic volumes at low speeds the unit can be simply placed in the location you wish, if you are planning a more permanent or semi permanent siting, to start the installation procedure simply remove the top covers with an allen key and place the UVSS structure in the position required. Inside the UVSS you will see two pre-holed channels running down each side of the system.

Depending on the type of surface to intend to fix the system to you select the appropriate bolting method and using the holes in the UVSS channel locate the system by bolting it to the surface of the road.

Once this is done you can replace the outer covers and connect the DVR to the monitor and power supply, followed by connecting the individual camera coax's to the numbered ports on the back of the DVR. The system is then ready to boot up.

S-COMM 6 c/w 6 Cameras, 6 modules, 2 end modules (2490mm x 460mm x 85mm) 95kg inc cable



To find out more about the S-COMM Under Vehicle Surveillance System or to make an order please email or call us using the contact details below:

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