



UNDER VEHICLE SERVEILLANCE SYSTEM

H-COMM is a portable or permanent real time colour UVSS system designed and manufactured in the Pakistan 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



H-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 H-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 H-COMM6 UVSS provides the operator with the latest in TVI image quality.

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

sized vehicles and also larger HGV/Tractor vehicles. The H-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 H-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.

DS-2CE56D0T-IPF 2 MP Indoor IR Turret Camera



SPECIFICATION

Camera

Image Sensor	2 MP CMOS image sensor
Signal System	PAL/NTSC
Frame Rate	PAL: 1080p@25fps NTSC: 1080p@30fps
Resolution	1920 (H) × 1080 (V)
Min. illumination	0.02 Lux @ (F1.2, AGC ON), 0 Lux with IR
Shutter Time	PAL: 1/25 s to 1/50,000 s NTSC: 1/30 s to 1/50,000 s
Lens	2.8 mm, 3.6 mm fixed lens
Horizontal Field of View	103° (2.8 mm), 82.2° (3.6 mm)
Lens Mount	M12
Day & Night	IR cut filter
Angle Adjustment	Pan: 0° to 360°, Tilt: 0° to 75°, Rotation: 0° to 360°
Synchronization	Internal synchronization
WDR (Wide Dynamic Range)	DWDR

Menu

Image Mode	STD/HIGH-SAT
AGC	Support
Day/Night Mode	Smart/color/BW(Black and White)
Backlight Compensation	Support
DWDR	Support
Language	English
Functions	Brightness, Sharpness, DNR, Mirror

Interface

Video Output	1 HD analog output
Switch Button	TVI/AHD/CVI/CVBS

General

Operating Conditions	-40 °C to 60 °C (-40 °F to 140 °F), Humidity: 90% or less (non-condensation)
Power Supply	12 VDC±15%
Power Consumption	Max. 4 W
Material	Plastic
IR Range	Up to 20 m
Dimension	∅ 89.9 mm × 70.1 mm (∅ 3.54" × 2.76")
Weight	Approx. 250 g (0.55 lb.)

DS-7100HGHI-F1 SERIES TURBO HD DVR

Key Features

- Support H.264+/H.264 video compression
- Support HDTV/AVHD/CVI/CVBS/IP video input
- Up to 5/10/18-ch IP camera input for DS-7104/7108/7116HGHI-F1 (up to 1080p)
- Max. 1200 m for 720p HDTV signal



SPECIFICATION

Recording

Video compression	H.264+/H.264
Encoding resolution	When 1080p Lite mode not enabled: 720p/WD1/4CIF/VGA/CIF When 1080p Lite mode enabled: 1080p lite/720p/WD1/4CIF/VGA/CIF
Frame rate	Main stream: When 1080p Lite mode not enabled: For 720p stream access: 720p/WD1/4CIF/VGA/CIF@25fps (P)/30fps (N) When 1080p Lite mode enabled: 1080p lite/720p/WD1/4CIF/VGA/CIF@25fps (P)/30fps (N)
Video bit rate	Sub-stream: 2CIF@6fps; CIF/QVGA/QCIF@ 25fps (P)/30fps (N) Sub-stream: 4CIF/2CIF@6fps; CIF/QVGA/QCIF@25fps (P)/30fps (N)
Dual stream	Support
Stream type	Video, Video & Audio
Audio compression	G.711u
Audio bit rate	64 Kbps

Network

Remote connections	32	128
Network protocols	TCP/IP, PPPoE, DHCP, Hik-Connect, DNS, DDNS, NTP, SADP, SMTP, NFS, iSCSI, UPnP™, HTTPS	
Network interface	1, RJ45 10M/100M self-adaptive Ethernet interface	

Video & Audio

	1-ch (up to 5-ch)	2-ch (up to 10-ch)	2-ch (up to 18-ch)
IP video input	Up to 1080p resolution		
	Support H.264+/H.264 IP cameras		
Analog video input	4-ch	8-ch	16-ch
	BNC interface (1.0 Vp-p, 75 Ω), supporting coaxitron connection		
Turbo HD input	1080p25, 1080p30, 720p25, 720p30		
AHD input	1080p25, 1080p30, 720p25, 720p30		
HDCVI input	1080p25, 1080p30, 720p25, 720p30		
CVBS input	Support		
HDMI/VGA output	1-ch, 1920 × 1080/60Hz, 1280 × 1024/60Hz, 1280 × 720/60Hz, 1024 × 768/60Hz		
Audio input	1-ch, RCA (2.0 Vp-p, 1 KΩ)		
Audio output	1-ch, RCA (Linear, 1 KΩ)		
Two-way audio	Reuse the first audio input		
Synchronous playback	4-ch	8-ch	16-ch

Auxiliary Interface

SATA	1 SATA interface
Capacity	Up to 6 TB capacity for each disk
Alarm in/out	N/A
USB interface	Rear panel: 2 × USB 2.0

General

Power supply	12 VDC	
Consumption (without HDD)	≤ 8 W	≤ 12 W
		≤ 20 W
Working temperature	-10 °C to 55 °C (14 °F to 131 °F)	
Working humidity	10% to 90%	
Dimensions (W × D × H)	200 × 200 × 45 mm (7.9 × 7.9 × 1.8 inch)	285 × 210 × 45 mm (11.2 × 8.3 × 1.8 inch)
Weight (without HDD)	≤ 0.8 kg (1.8 lb)	≤ 1.2 kg (2.6 lb)

QUICK AND EASY INSTALLATION

H-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.

H-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 H-COMM Under Vehicle Surveillance System or to make an order please email or call us using the contact details below:

SAE Systems Limited
Staithe House
The Staithe, Thurne
Norfolk, NR29 3BU
United Kingdom

Tel: +86 (755) 89207139
Email: info@hetechnology.com
Web: www.hetechnology.com