



Transportation environments can often prove harsh for electronic equipment, with exposure to repetitive shocks and vibration proving too much for some systems.

Specifically designed for public and commercial transport applications and encased in a ruggedised metal chassis, the TransVu Compact mobile video recorder and server can withstand this tough environment to provide uninterrupted in-vehicle security surveillance.

Small, light and robust, the TransVu Compact is ideal in space restricted situations where the application demands resilience from the product.

The TransVu Compact digital recorder can provide a long, trouble free service in high vibration environments making it one of the most powerful transit surveillance tools available today.

FEATURES

- ▶ 4 Composite video inputs
- ▶ MJPEG, MPEG4 and H.264 selectable recording options
- ▶ 50/60pps (PAL/NTSC) @4CIF, 100/120pps @2CIF
- ▶ Developed specifically for transport applications and high vibration environments
- ▶ Simultaneous MPEG-4 and MJPEG transmission and recording
- ▶ **MultiMode** Recording - Dynamically-switchable resolution, record-rate & compression (MPEG4/MJPEG) per camera
- ▶ Intelligent power management based on ignition and supply voltage sense
- ▶ Three alarm inputs, continuously powered to activate main system on alarm even if powered down
- ▶ Built-in solid state storage, removable solid state storage and USB connector for external storage drives
- ▶ External Storage can be provided by AOE
- ▶ Rugged, environmentally robust housing and connector
- ▶ Internal Accelerometer enables event trigger on severe breaking/acceleration
- ▶ VGA or Composite monitor output
- ▶ GPS support via 3rd party external module
- ▶ Support for USB touch screen interface
- ▶ Tacho / Speedometer integration to monitor engine idle and over revving time
- ▶ Integration with Archive Management Systems (AMS)
- ▶ NetVu Connected seamless integration with other NetVu Connected Devices

SPECIFICATION

CAMERAS

4 composite video inputs
75 ohm termination
Composite 1V peak to peak
Colour or monochrome
PAL or NTSC software selectable
Viewed as a live feed through Monitor Output

RECORD RATES

4CIF recording for 2 cameras each @25/30pps (PAL/NTSC)
2CIF recording for each camera @25/30pps (PAL/NTSC)

COMPRESSION

MJPEG, MPEG-4, H.264 formats at 4CIF, 2CIF, CIF & QCIF resolution. User definable file compression size.

MONITOR OUTPUT

Composite or VGA monitor output (live quad display)
USB support for touch screen monitor

STORAGE

The TransVu Compact includes built-in MicroSD storage and optional removable MicroSD storage upto 32GB. The unit also includes the option to connect an external USB storage device and supports AoE (ATA over Ethernet) for point to point transfer of data over the network to a network storage device. Also supports archiving to local USB flash drives.

POWER MANAGEMENT

The TransVu Compact power management facility stops the unit recording and closes down operation after a user defined period has elapsed from the vehicle ignition being turned off. The unit will also carry out a controlled and timed power down sequence when the vehicle voltage has fallen below a user set level.

ACCELEROMETER

3-axis accelerometer providing g-force measurements of vehicle, can be associated with camera footage for use in evidential circumstances.

GPS

GPS is supported via 3rd party external module. GPS input can be configured to 'wake up' the unit from power down on movement. Provides positioning data that can be stored as meta data with the video, GPS can also be used to track the vehicle.

SPECIALIST APPLICATIONS

The low current consumption and portability of the unit makes TransVu Compact the ideal choice for specialist mobile applications:

- Rapid deployment CCTV applications such as city centre surveillance, constructions sites, temporary event sites.
- Surveillance of 'long-stay' vehicles such as storage canisters and LGV Trailers
- Areas where power has to be supplied by solar panels with backup batteries.
- Operation in mines or high risk areas to where health and safety considerations do not allow mains voltages.

AMS (Archive Management System)

The Archive Management System (AMS) provides a unique method of managing the content produced by large scale fixed and mobile CCTV solutions. As a centrally located database, AMS can automatically index all video and associated meta data produced by any of the connected devices.

Remote Viewing

Remote Viewing or replay of video from the unit can be done either locally on a monitor output or via a network to a PC (via wireless, 3G or a wired connection) using NetVu ObserVer or the embedded web page server.

MultiMode RECORDING

MultiMode recording offers total recording flexibility. Record rates, image resolutions (QCIF to 4CIF) and compression algorithms (MPEG4/MJPEG) can be dynamically changed depending upon the operational mode of the unit. MultiMode Recording profiles can be set on a per unit or per camera basis allowing the balance between record quality and total recording time to be optimised.

AUDIO

2 audio inputs, 2 audio outputs
Sensitivity - 50mV to 1.5V RMS
Software adjustable gain and AGC (Automatic Gain Control)
Challenge audio capability and intercom facility between vehicle and base (additional equipment required)
Audio input 1 can be configured as a mic input.

ALARMS

3 alarm inputs, 1 ignition input. Alarm 1 is used to wake on alarm.

TELEMETRY

Serial camera Telemetry Available via RS485/422 protocol (Non-vehicle application)

RELAY OUTPUT

Solid state relay providing polarised volt free contacts. Rated up to 60Vdc @ 600mA.

CONNECTIVITY

Ethernet - 2x 10/100Base T connection
Serial Ports - 1 x RS 232 port. 1 x RS 485 port.
USB Ports - 3 x USB Ports
Infra Red Control via plug-in Infra Red adapter and using standard NetVu Connected Infra Red remote.

STATUS LEDS

Power, Status

POWER

Supply voltage 8 - 18 Vdc.
Power consumption (excluding camera power) 6W.
Switched power output (1A) max. for peripheral devices including cameras.

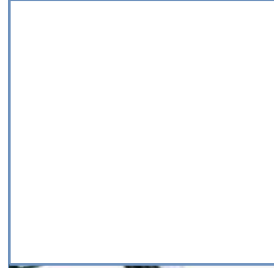
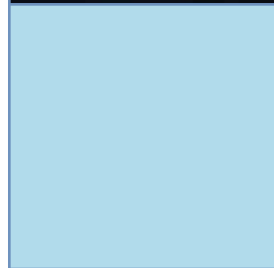
TEMPERATURE RANGE

0°C to +60°C (32°F to 140°F)

DIMENSIONS & WEIGHT

Excluding mounting hardware
125mm x 130mm x 58mm
Weight: 0.77kg

| MODEL | DESCRIPTION |
|-----------|----------------------------|
| AD/TVCMPT | TransVu Compact Mobile DVR |



FOR FURTHER INFORMATION PLEASE CONTACT

PLEASE CHECK THE WEBSITE FOR DETAILS OF COMPATIBLE PRODUCTS AND OTHER LATEST DEVELOPMENTS

www.transvu.co.uk