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 Express mobile video recorder and server can withstand this tough environment to provide uninterrupted in-vehicle security surveillance.

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

The TransVu Express 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 & Benefits

- 4 or 8 Video inputs
- MJPEG, MPEG4 & H.264 selectable recording options
- Developed specifically for transport applications and high vibration environments
- Simultaneous MPEG-4 or H.264 transmission whilst recording in MJPEG
- Ruggedised design with aerospace standard anti-vibration mounts
- MultiMode Recording - Dynamically-switchable resolution, record-rate & compression (MPEG4/MJPEG) per camera
- Intelligent power management based on ignition and supply voltage sense
- USB port for USB storage or touch screen control
- 8 IP cameras or more with resolution up to 12MP
- IP camera inputs via external switch
- HDMI display 720p/1080i
- One audio output, Two audio inputs, Three alarm inputs
- Storage on removable HDD, Compact Flash, SD Card or SSD (specified at time of order)
- HDD versions come with anti-vibration mounts as standard
- Rugged, environmentally robust housing and connector
- Monitor output provides HD HDMI
- Ability to use a camera as a reversing mirror
- Up to 4TB storage

Ordering Information

<table>
<thead>
<tr>
<th>Part Number</th>
<th>Description</th>
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<tr>
<td>(TVE)/(cameras)/(CI)/(storage) for example TVE/08/CI/HDD*</td>
<td>TransVu Express 3</td>
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</table>
Technical Specification

RUGGED DESIGN
A robust extruded aluminium enclosure mounted on aerospace grade shock absorbers ensures that TransVu Express can withstand prolonged exposure to the vibration and shock that is typical of road and rail transportation.

POWER MANAGEMENT
The TransVu Express 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.

G-SENSOR
3-axis 2G or 8G accelerometer providing g-force measurements of vehicle, can be associated with camera footage for use in evidential circumstances.

SPECIALIST APPLICATIONS
The low current consumption and portability of the unit makes TransVu Express the ideal choice for specialist mobile applications:
- Rapid deployment CCTV applications such as city centre surveillance, constructions sites, temporary event sites.
- 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.

MultiMode RECORDING
MultiMode recording offers total recording flexibility. Record rates, image resolutions (QCIF to 4CIF) and compression algorithms (MPEG4/H.264) 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.

CAMERAS
8 IP cameras or more
IP cameras via external ethernet switch with resolution up to 12MP
75 ohm termination
Composite 1V peak to peak
Colour or monochrome
PAL or NTSC software selectable
Recorded Camera can also be duplicated as a reversing mirror. Viewed as a live feed through Spot Monitor Output.

ANALOGUE RECORD RATE
50/60pps (PAL/NTSC) @ 4CIF
100/120pps (PAL/NTSC) @ 2CIF
200/240pps (PAL/NTSC) @ CIF

COMPRESSION
MPEG-4 & H.264 formats at 4CIF, 2CIF, CIF & QCIF resolution for analogue cameras, up to 12MP IP camera recording. User definable resolution and image size.

AUDIO
1 channel line level.
1 channel output (with Challenge Audio option).
1 channel microphone level with bias supply (software switchable to line level, no bias).
Sensitivity - 50mV to 1.5V RMS
Software adjustable gain and AGC (Automatic Gain Control)

ALARMS
3 analogue inputs with EOL detection capability.

TELEMETRY
Camera Telemetry Available via RS232 protocol (Non-vehicle application)

RELAY OUTPUTS
Solid state relay providing polarised volt free contacts. Rated up to 60V 700mA.

CONNECTIVITY
37 way D Type Connector providing: Ethernet connection, camera inputs, monitor outputs, audio, power, alarm.
15 way D Type connector providing serial ports (RS232/422/485)

STATUS LEDS
Power, Network, HDD, CF/SD, Recording, Camera Fault

POWER SUPPLY
Supply voltage 10 to 30 volts dc.
Power consumption including HDD 7.5W.
Switched power output (1A) max. for peripheral devices.

TEMPERATURE RANGE
Disk Drive (HDD) +5C to +55C (41F to 131F)
Disk Drive (Solid State) 0 °C - 70°C / 32 °F -158 °F

DIMENSIONS
Including mounting hardware
185mm x 185mm x 65mm
2.11kg (includes HDD)

BUILD OPTIONS
Removable HDD as standard
Also available are:
Removable Compact Flash (CF)
Removable Secure Digital (SD)
Removable Solid State Drive (SSD)

ACCESSORIES
Spare caddy with disk replacement options, replay caddy, external connection harness, LED Status Box.

MONITOR
HD display via HDMI monitor.

USB Port
USB port for archiving or dual recording medium.

www.transvu.co.uk

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