



COMPACT SURVEILLANCE FOR TRANSPORT APPLICATIONS

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

- ❑ 4 or 8 Video inputs
- ❑ MJPEG and MPEG4 selectable recording options
- ❑ Developed specifically for transport applications and high vibration environments
- ❑ Simultaneous MPEG-4 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
- ❑ Two audio inputs, Three alarm inputs
- ❑ Storage on fixed or removable HDD, Compact Flash or SD Card (specified at time of order)
- ❑ HDD versions come with anti-vibration mounts as standard
- ❑ Rugged, environmentally robust housing and connector
- ❑ Monitor output provides full, quad or 9 way display (model dependant)
- ❑ Ability to use a camera as a reversing mirror

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 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, construction 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/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.

CAMERAS

4 or 8 channel options
75 ohm termination
Composite 1V peak to peak
Colour or monochrome
PAL or NTSC software selectable
Recorded Camera can be also be duplicated as a reversing mirror. Viewed as a live feed through Spot Monitor Output

RECORD RATE

4 channel, 100pps CIF / 50 pps 2CIF / 25pps 4CIF
8 channel, 100pps CIF / 50 pps 2CIF / 25pps 4CIF

COMPRESSION

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

MONITOR OUTPUT

A composite or VGA monitor output provides full screen, quad or 9 way monitor functionality.

AUDIO

1 channel line level.
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

Ethernet - 10/100Base T connection
NetVu ObserVer, Web browser, FTP and Telnet support
Serial Ports - 1 x 9 way (Male) D Type RS 232 port.

STATUS LEDS

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

POWER

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 +45C (41F to 113F)
Disk Drive (Solid State) -20C to +45C (-4F to 113F)

DIMENSIONS

Excluding mounting hardware

180mm x 110mm x 60mm
1.1 kg (includes HDD)

Including mounting hardware

210mm x 120mm x 62mm
1.5 kg

BUILD OPTIONS

Compact Flash - removable
Secure Digital (SD) - removable
Removable HDD
Fixed HDD

ACCESSORIES

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



FOR FURTHER INFORMATION PLEASE CONTACT

PLEASE CHECK THE WEBSITE FOR DETAILS OF COMPATIBLE PRODUCTS AND OTHER LATEST DEVELOPMENTS
www.transvu.co.uk