

Timespace V600

DRIVING SECURITY



The Timespace V600 AHD digital video recorder (DVR) is the first of Timespace's market-leading on-vehicle products to utilise AHD cameras. The V600 builds on the Timespace V400's reputation for reliability, and gives users a new choice for vehicle CCTV with superb image quality and flexibility of camera choice.

Supporting up to 20 PAL cameras or 720P / 1080P AHD / TVI(1) cameras, and up to 16 HD IP cameras, the V600 achieves improved image resolution at V400 data rates. Plug-and-play camera connectors ensure easy installation. Recording time is maximised with removable solid state disks or hard disk cartridges up to 4TB. Disks are fully-suspended for shock-protection, and dual recording to SD card ensures that critical footage is always available. New "crash protection" features – hard-disk buffering and HD mirroring to SD card – further enhance footage availability.

Built-in CAN engineering data recording allows users to capture critical vehicle and driver performance statistics.

With Timespace's LANLink fleet management platform, users can securely view, download and share footage from the V600. Live camera streams can be viewed over 4G, and users can view and download footage remotely without waiting for the vehicle to return to the depot. LANLink Live offers live camera streams with remote footage preview and download. LANLink also provides CCTV health data, GPS vehicle tracking and CAN engineering data. Industry-leading PCLink software allows easy viewing, analysis and export of footage. PCLink displays data from the V600's built-in G-Sensor, along with GPS mapping analysis and CAN and alarm data.

Using SHA-2/AES-256 watermarking authenticated digital signature, embedded vehicle CAN data and GPS, time, date, speed and location, the V600 meets evidential requirements for court proceedings.



Recording performance

- 12 / 16 / 20 PAL / AHD / TVI(1) analogue video inputs
- Up to 16 HD IP video inputs (5 as standard)
- Improved image resolution at V400 data rates
- Up to 200IPS global image rate with configurable rate, quality and resolution for each camera
- Selectable 16:9 or 4:3 recording for AHD cameras (4:3 gives 25% reduction in disk usage)
- H264 compression providing excellent image quality to meet Transport for London specification
- "Crash protection" features: HD buffering and HD mirroring to SD card.

Connectivity

- Alarm inputs, integrated CANLink recording, compatible with Bridge Alert
- Quick and easy incident footage upload and system monitoring via Timespace LANLink / WiFi / mobile networks
- Transport for London diagnostic reporting (IBUS) via a dedicated LAN port.

Physical Characteristics

- Compact size with single-fixing quick-release mounting
- Fully-suspended, lockable hard disk up to 4TB for long and reliable operating life
- Industry-proven integral power and video connectors.

Compatibility

- Compatible with the latest Timespace applications and accessories
- Same size as V400 and plug/pin compatible.



TIMESPACE

MANUFACTURED BY **TIMESPACE** IN THE UK

Timespace V600

DRIVING SECURITY



Stand-alone recorder with built-in CAN data recording



Local live view using Reviewer or video out to monitor



Review recordings directly from a removable cartridge



WiFi / 4G connection

Multi-channel live view and download via LANLink Live



Bridge Alert System

Performance

Analogue Cameras

Video recording global image rate	Up to 200 IPS
Total analogue video inputs	Up to 20 (PAL and AHD combined)
AHD cameras	Up to 20 x 720P or up to 10 x 1080P
Image rates Min – Max	1-25 IPS,
Image Resolution – PAL cameras	2CIF – 720 x 288
Image Resolution – 720P AHD cameras	1280 x 720
Image Resolution – 1080P AHD cameras	1920 x 1080
Image Resolution – 1080P TVI(1) cameras	1920 x 1080

IP Cameras

Image bit rate – quality setting	Typically 4-6Mb/s; 8Mb/s max
IP video inputs	Up to 16, 5 as standard
IP Camera Resolution	720P, 1080P
Image rate Min – Max	1 – 30 IPS

Audio

Audio microphone input	2, selectable line or mic-level
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Other

Video out	2
Video Streaming Live view – multi channel	25 IPS
SD Card recording rate – multi channel	To mirror Normal Recording, channels selectable
Hard disk capacity options	1TB, 2TB, 4TB
Solid state disk capacity options	1TB, 2TB
SD card capability	Up to 2TB
G Sensor	3 axis
Alarm input	10
Alarm output	4

General Features

- Auto record on power-up or single button start/stop recording
- Recorder status indicators (LEDs)
- Simultaneous record, live view and file download
- H264 (MPEG-4 Part 10) compression
- Built-in vehicle CAN engineering data recording
- HD buffering and HD mirroring to SD card
- Timer shutdown for power saving
- Optional embedded GPS position & speed
- Local set-up and configuration using Timespace Reviewer
- Remote control via RS232 interface
- Short circuit protection – video inputs and outputs
- Multi ranging PSU with power monitoring diagnostics
- Removable, lockable hard disk cartridge
- Simple, intuitive menu system with help screens
- Live camera streaming via 4G on LANLink Live
- Remote footage viewing and download via LANLink Live

Optional Features

- Bridge Alert low bridge warning device
- LAN / Wi-Fi / 3G / 4G

Connections / Interfacing

Analogue Cameras (PAL / AHD / TVI(1))	18 x 3-pin XLR connectors, 2 on 12-way Molex
IP Camera	2 x RJ45, remainder via external switch
Video out (Main and Aux)	3-pin XLR connectors
Audio microphone in	2 on the 6-way Molex
Timespace Reviewer	1 x RJ45
LAN / Wi-Fi / 3G / 4G (Comms)	1 x RJ45
IBUS	1 x RJ45
GPS	On the 18-way Molex
RS232	Tx / Rx on the 12-way Molex
Alarm inputs	10 on the 10-way Molex
Alarm output	4 on the 18-way Molex
Power input	5-pin XLR connector
Power output	5V and 12V on the 18-way Molex

Physical Characteristics

Enclosure	Extruded Aluminium, with moulded end caps
Dimensions (mm) (including mounting plate)	292(l) x 126(w) x 151(h)
IP rating	IP50
Operating temperature range	-10 to 50 °C
Humidity	10 – 90% r.h., non condensing
Mounting plate hardware (included)	Screw-mounted
Power supply input	12 – 48V DC polarity protected
Continuous power – no cameras and no Reviewer	20W
Continuous power – with cameras (typical*)	42W
Continuous power – sleep mode, no Reviewer and in sleep mode	0.5W
Maximum current – start-up (@24V)	2.0A with cameras and reviewer
Continuous power (maximum)	80W Ancillary equipment dependent
External power output	5V, 300mA
Weight – including removable cartridge and base plate	3.2kg

*16 x 720P AHD cameras, no Reviewer, no monitors

Regulatory Approvals

CE Mark (EN55032:2012, EN55024:2010)
E Mark
R118 (Fire Retardancy)
RoHS
WEEE

Timespace Technology Ltd reserves the right to amend product specifications without notice and without incurring obligation.



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