

Timespace R500

DRIVING SECURITY



The Timespace R500 hybrid digital video recorder (DVR) provides cost-effective, reliable and robust performance in a diverse range of mobile applications, and is ideal for the vehicle, coach and bus sectors.

With 4 analogue camera inputs and 4 IP camera inputs, the R500 provides operators with the flexibility to incorporate high-quality IP camera recording into vehicle CCTV. H264 compression and a global recording rate of 120-Mbits/s ensure crystal-clear images, and SHA-2/AES-256 watermarking gives security of evidence.

The R500 has a simple user interface for easy set-up. Features include configurable alarm inputs, a power-down circuit, auto-record on power-up or a single button record function. Hard disk storage of up to 2TB combines with the option of dual recording to SD card at global 25IPS for back-up.

The R500 is fully compatible with Timespace's range of software and accessories. PCLink suite provides footage review and export, while LANLink provides fleet management, CCTV health information, and footage downloads.

Reviewing the video footage using Timespace PCLink software is quick and simple using time and date or alarm markers. Recorded files can be uploaded from the removable data cartridge, or remotely via wireless data transfer or mobile connection.

Recording Performance

- 4 PAL/NTSC Cameras 2CIF, 25 IPS x4, H264 compression
- 4 IP Cameras Up to 40MPixel cameras supported (future-proofed) including: 1080p cameras (1920 x 1080 – 2MPixel) 4k cameras (3840 x 2160 – 8MPixel)
- H264, H265 future-compatible. RTSP protocol 120Mbit/s to disk sustained performance.

Connectivity

- Live view output for remote security monitoring at control centre
- Quick and easy incident footage upload and system performance monitoring via WiFi or mobile networks.

Security Features

- Lockable recording media cartridge for security and reliable operation
- Proprietary video file format XBA
- File access/download password protection and encryption
- Each image watermarked (SHA-2 AES Authentication – 256 bit)
- Embedded camera number, date and time in each image

Compatibility

- XBA file compatible with PCLink software, allowing full function review for all Timespace recorders with one software suite
- Compatible with Timespace Reviewer and all other Timespace accessories.

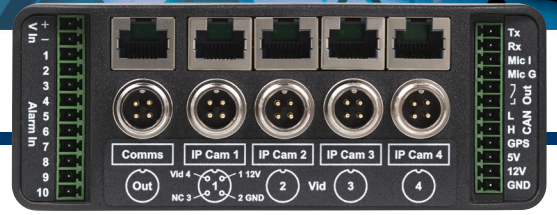


TIMESPACE

MANUFACTURED BY **TIMESPACE** IN THE UK

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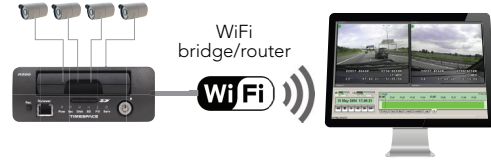
Stand alone recorder



Live view using Reviewer or video out to monitor



Review recordings directly from a removable cartridge



Multi-channel live view and wireless download of recordings



CANLink data recording

Performance

PAL/NTSC (analogue) Cameras

Video recording global image rate (analogue only)	100 IPS
Analogue video inputs	4
Image rates Min – Max	1-25 IPS PAL, 1-30 IPS NTSC
Image Resolution (pixels)	2CIF – 720 x 288 2CIF – 720 x 240

IP Cameras

Image bit rate – quality setting	50 – 100 kbits / image
IP video inputs	4
IP Camera Resolution	1080p, 4k & higher
Image rate Min – Max	1 – 30 IPS
IP Cameras (global bit rate max)	120 Mb/s

Audio

Audio microphone input

1

Other

Video out	1
Video Streaming Live view – multi channel	25 IPS
SD Card recording rate – multi channel	25 IPS
Hard disk capacity options	500GB, 1TB, 2TB
SD card capability	4-32GB
G Sensor	3 axis
Alarm input	10
Alarm output	1

General Features

- Auto record on power-up or single button start/stop recording
- Recorder status indicators (6 LEDs)
- Simultaneous record, live view and file download
- H264 (MPEG-4 Part 10) compression
- Removable hard disc media cartridge – lockable
- Simple, intuitive menu system with help screens
- Optional embedded GPS for position & speed
- Normal and alarm triggered recording
- Vehicle data recording
- 7 day programmable timer recording
- Local set-up and configuration using Timespace Reviewer
- Remote control via RS232 interface
- Timer shutdown for power saving wake up on motion for security
- PTZ camera control for remote viewing
- Short circuit protection – video inputs
- Multi ranging PSU with power monitoring diagnostics

Optional Features

- 25 IPS global SD dual recording – SDHC 4GB up to 32GB
- File download via SD card
- Wi-Fi / 3G / GPRS router

Connections / Interfacing

Analogue Camera	4 GX-12 Avionics sockets
IP Camera	4 RJ45
Video out (Main and Aux)	1 GX-12 Avionics socket
Audio microphone in	1 screw terminal
Timespace Reviewer	1 RJ45
LAN WLAN/3G	1 RJ45
GPS/RS232	Screw terminal
Alarm inputs	Screw terminals
Alarm relay output	Screw terminal
Power input	Screw terminal
Power output	12V and 5V Screw terminal

Physical Characteristics

Enclosure	Extruded Aluminium, with moulded end caps
Dimensions (mm)	206(l) x 136(w) x 53(h)
IP rating	IP50
Operating temperature range (temperature sensor enabled)	-10 to 50°C
Humidity	10 – 90% r.h., non condensing
Mounting plate hardware (included)	Screw-mounted any axis orientation
Power supply input	12 – 30V DC polarity protected
Continuous power – without Reviewer	tbc
Continuous power – cameras on (typical)	tbc
Continuous power – without Reviewer and in sleep mode	tbc
Maximum current – start-up	1.9A with camera and reviewer
Continuous power (maximum)	60W Ancillary equipment dependent
External power output	5V DC 1A / 12v 1.2A
Weight – including removable cartridge	1040g

Regulatory Approvals

CE Mark (EN55032:2012, EN55024:2010)
E Mark
VCA CoP approval
RoHS
WEE

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



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Timespace Technology Ltd Lakeview Court Ermine Business Park Huntingdon PE29 6UA UK

t: +44 (0)1480 414147 f: +44 (0)1480 414146 e: mail@tspace.co.uk www.tspace.co.uk

