Timespace X300

DRIVING SECURITY

The Timespace X300 digital video recorder provides cost-effective, reliable and robust performance in a diverse range of mobile applications, typically on public transport, HGV and emergency service vehicles, with auto-record on power-up, or a single button record function.

Designed with the user in mind, the X300 has a simple interface for easy set-up and configuration. A global recording rate of up to 200 images per second (IPS) captures crystal-clear video footage and combines with encrypted watermarking using AES authentication to give security of evidence for court proceedings.

Data integrity is critical. Timespace's dual recording to SD card at global 25 IPS captures data in the event of a collision (when data can be lost by hard drives), just when it may be most valuable in defence of fraudulent compensation claims.

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

Full compatibility with the Timespace X200 provides a cost effective upgrade path. Simply connect to the existing installation, saving the cost of replacing wiring and connections and minimising vehicle downtime.

Recording Performance

- Up to 4 independent video channels with selectable image rates for each camera up to 25 IPS
- Compression using proprietary MPEG format with D1 option giving 720 X 576 (PAL) frame size
- Dual loop recording at 25 IPS using solid state SD card for added footage security in extreme conditions
- Selectable compression setting for each camera to ensure maximum resolution and archive storage.

Connectivity

- Live view output for remote security monitoring at control centre
- SMS or Image transfer alert to control centre from driver's panic button or built-in "G-force" sensor
- Quick and easy incident footage upload and system performance monitoring via WiFi or mobile networks.

Physical Characteristics

- Small footprint for ease of installation, constructed in robust extruded case
- Lockable recording media cartridge for security and reliable operation
- Shock-insulated data cartridge giving reliable recording and maximum uptime.

Compatibility

- XBA file compatible with PCLink software, allowing full function review for all Timespace recorders with one software suite
- Plug and pin termination fully compatible with Timespace X200 for quick upgrade.

TIMESPACE

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Stand alone recorder

Live view using Reviewer or video out to monitor

Review recordings directly from a removable cartridge

WiFi bridge/router
Multi-channel live view and wireless download of recordings

Performance

Standard	X300-04 PAL	NTSC
Video recording global rate (IPS)	200	240
Frame rates Min – Max selectable by camera (IPS)	0.1 – 25	0.1 – 30
D1 Resolution (IPS)	50	50
D1 Frame Resolution (pixels)	720 x 576	720 x 480
2CIF Frame Resolution (pixels)	720 x 288	720 x 240
Resolution settings	6	
Video inputs	4	
Audio inputs	2	
Video Output – Configurable	1 – Video switcher / Multi-view	
Video Streaming Live view (IPS)	25	
Hard Disk Cartridge option	500GB, 1TB, 2TB	
Solid state disk	120GB, 240GB, 1TB	

General Features

- Single button start / stop recording or auto record on power-up
- Recorder status indicators (6 LEDs)
- Simultaneous record, playback, live view and file download
- MPEG based format, full image update
- Removable hard disk media cartridge – lockable
- Simple, intuitive menu system with help screens
- Optional embedded GPS position & speed
- Normal, continuous, alarm and motion triggered recording
- 7 day programmable timer recording
- Local playback using Reviewer
- Local set-up and configuration using Reviewer
- Image search by time / date or file name
- Remote set-up and download via LAN, WiFi or mobile network
- Quick review alarm event footage markers
- PC live view, review, download & storage
- Remote control via RS232 interface

Security Features

- Proprietary video file format XBA
- User and Admin password protected functions
- Each image watermarked (SHA-2 AES Authentication – 256 bit)
- Embedded camera number, date and time in each image
- 12 user programmable embedded characters per channel

Optional Features

- 25 IPS global SD memory backup – SDHC 4GB up to 32GB
- File download via SD card
- CANLink data recording (view in sequence with recorded footage)

Connections / Interfacing

	X300-04
Camera	4 – BNC plug
Video out	1 – BNC plug
Audio in	2 – DIN 8 way connector
Audio out	2 – DIN 8 way connector
Timespace Reviewer	RJ45
LAN / WLAN	RJ45
GSM / GPS / RS232	9-way D-Type connector
Alarm inputs	4 – Screw terminal plug
Power down	1 – DIN 8-way connector
Alarm / LED output – Configurable	3 – Screw terminal plug
Power input	2.5 mm DC socket or screw terminal

Physical Characteristics

Enclosure	Extruded Aluminium, with end caps
Dimensions (mm)	212 x 120 x 52
IP rating	IP50
Operating temperature range (ºC)	-10 – 50
Humidity (% r.h., non condensing)	10 – 90
Mounting options	Free-standing or screw-mounted
Power supply (V DC)	12
Continuous power – without Reviewer (W)	10.0 (0.85 amps)
Reviewer continuous power (W)	3.0 (0.25 amps)
Maximum current – start-up (A)	2.0
Power up time to recording (seconds)	<12
Weight – with removable cartridge (g)	890

Regulatory Approvals

CE Mark (EN55032:2012, EN 55024:2010)
E Mark
VCA CoP approval
RoHS
WEEE

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

bsi. ISO 9001:2015 Quality Management
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