

# Timespace X300

DRIVING SECURITY



Timespace digital video recorders are designed to provide cost-effective, reliable and robust performance for long-term surveillance, mobile installations in observation vehicles and for rapid response operations.

The low power requirements and silent operation make the X300 perfect for covert lifestyle surveillance. Using the motion detection feature the X300 is ideal for long-term serious and organised crime investigations. The compact design and rugged, removable "hot swappable" shock mounted data cartridge ensures integrity of data storage.

An optional compact flash SDHC card makes daily footage retrieval quick and simple, ensuring discreet recovery of time-lapse or motion footage for ongoing surveillance operations. Combined with encrypted watermarking to give security of evidence for prosecution, the proprietary XBA file format ensures sensitive evidence can only be viewed by authorised personnel.

Designed with the user in mind, the X300 has a simple user interface ensuring easy installation and set-up to capture crystal clear video footage using a single button record function. The recording time calculator feature, ensures that the recorder settings and disk cartridge size will provide sufficient recording time for successful and error free operation.

The Timespace PCLink software suite enables quick and simple access to review event data, using the time, alarm or motion sensor file markers. Footage can be viewed remotely or uploaded via wireless data transfer or IP connection over a 3G network.



## Recording Performance

- Simple menu structure with single button record or user programmable profile for rapid installation
- Compression using proprietary MPEG format with D1 option giving 720 X 576 (PAL) frame size
- Solid state SD card for quick and simple footage recovery using auto/timed file transfer function
- Fully programmable set-up to give continuous, motion triggered, time-lapse, alarm and timer recording.

## Connectivity

- Live view output for remote security monitoring from incident control
- Selectable compression setting for each camera to ensure maximum archive storage and retrieval
- SMS or Image transfer alert to control centre by triggered motion or alarm input
- FTP upload of incident footage via Wi-Fi or 3G networks whilst recording.

## Physical Characteristics

- Small footprint for quick and easy installation, constructed in robust extruded case
- Silent operation, with no noisy cooling fans
- Low power, ideal for battery operation when needed for long-term covert or remote location operations
- Lockable recording media cartridge for security and reliable operation.

## Compatibility

- XBA file compatible with PCLink software, allowing full function review of X100, X200 and X300 recorders files with one software suite
- Plug and pin termination fully compatible with Timespace X200 for quick upgrade
- Full watermark with SHA-2 AES 256 authentication to ensure evidence integrity.



**TIMESPACE**

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Stand alone recorder



Live view (X201) or with pc monitor



Review recordings directly from a removable cartridge



Multi-channel live view and wireless download of recordings

## Performance

Standard	X300-04		X300-16	
	PAL	NTSC	PAL	NTSC
Video recording global rate (ips)	100	120	200	240
Frame rates Min – Max selectable by camera (ips)	0.1 – 25	0.1 – 30	0.1 – 25	0.1 – 30
D1 Resolution (ips)	50	50	50	50
D1 Frame Resolution (pixels)	720 x 576	720 x 480	720 x 576	720 x 480
2CIF Frame Resolution (pixels)	720 x 288	720 x 240	720 x 288	720 x 240
Resolution settings	6		6	
Video inputs	4		16	
Audio inputs	2		2	
Video Output – Configurable	1 – Video switcher/ Multi-view		1 – Video switcher/ Multi-view	
Video Output Aux – Configurable	–		1 – Video out	
Ethernet Video Streaming (ips)	25		25	
Hard Disk cartridge option (GB)	250, 500, 750 and 1TB		250, 500, 750 and 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 optional X201 reviewer – Rewind, replay, stop, play, fast forward and jog functions
- Local set-up and configuration using optional X201 reviewer
- Image search by time/date or file name
- File download via Ethernet (FTP)
- 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

- 25ips global SD memory backup – SDHC 4GB up to 32GB (4.5 hours loop recording at 25ips super resolution / 32GB SD card)
- File download via SD card
- CAN bus recording

## Connections / Interfacing

	X300-04	X300-16
Camera	4 – BNC plug	16 – 25-way D-Type connector
Video out	1 – BNC plug	2 – 25-way D-Type connector
Audio in	2 – DIN 5 way connector	2 – 25-way D-Type connector
Audio out	2 – DIN 5 way connector	2 – 25-way D-Type connector
Timespace X201 reviewer	RJ45	RJ45
LAN/WLAN/3G	RJ45	RJ45
GSM/GPS/RS232	9-way D-Type connector	9 way D-Type connector
Alarm inputs	4 – Screw terminal plug	8 – 4 on Screw terminal, 4 on D type
Alarm/LED output – Configurable	3 – Screw terminal plug	3 – Screw terminal plug
Power input	2.5 mm DC socket or screw terminal	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 (°C)	0 – 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  
89/336/EEC Generic  
95/54/EC Commercial Vehicles  
NP1A Specification 5 Issue 10  
ISO 9001:2008  
ISO 14001:2004  
RoHS  
WEEE



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