Timespace X300-16M

DRIVING SECURITY

The Timespace X300-16M digital video recorder (DVR) provides cost-effective, reliable and robust performance in a diverse range of mobile applications, and is ideal for the general vehicle and coach/bus sector. As a drop-in replacement for the Timespace X200 CCTV systems, the X300-16M is an attractive upgrade option.

The X300-16M has all the features of Timespace's highly-regarded X300 DVR, but with 16 channels of analogue (SD) video to provide greater capacity for camera coverage. Crystal-clear images combine with SHA-2/AES-256 watermarking to give security of evidence.

The X300-16M 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 X300-16M is fully compatible with Timespace's existing 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.

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 16 independent video channels with selectable image rates for each camera up to 25/30 IPS (PAL/NTSC)
- 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
- 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)
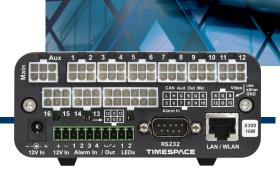- Embedded camera number, date and time in each image.

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.

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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

Standard	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	60
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	16	
Audio inputs	1	
Video Output – Configurable	2 – 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

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)

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Connections / Interfacing

Camera	16 Molex inputs with power
Video out	2 Molex inputs with power
Audio in	1 Molex input mic-level
Audio out	1 Molex output mic-level
Timespace Reviewer	RJ45
LAN / WLAN	RJ45
GSM / GPS / RS232	9-way D-Type connector
Alarm inputs	10 – Screw terminal plug
Power down	Selectable from alarm inputs
Alarm / LED output – Configurable	3 – Screw terminal plug
Power input	2.5 mm DC socket or screw terminal
CAN	2 Molex inputs

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

bsi. ISO 9001:2015 Quality Management
FM 525394