

# LIBERATOR

## Video Evidence Recorder

**FAST VERY VERY FAST**

- Fast - 50 images per second per camera without loss of video quality - Real Time
- Fast Video Evidence Recorder
- Fast Searching and Playback
- Fast Networking
- Fast copying to Blu-ray

### Technical notes

The core of this product is an incredibly fast hand made video engine. It allows all cameras to be recorded at a quality of 10 mega bits per second per camera. Other recorders normally encode at 2 mega bits per camera. The higher the bit rate the higher the quality. The engine is so fast that all cameras can be recorded at 50 images per second whilst 10 users access the Liberator from their PC workstations (playing back, live viewing or copying) at the same time.

High quality recording is necessary for those really grainy night time images that you never see on a demonstration. Town centre images are a prime example. Most recorders can't handle noisy low light images, and the result is an image corrupted with compression artefacts. So much so, we've heard of some installations using their SVHS VCR's for night time images because their digital recorders are so bad. We have tested the Liberator on the real thing, hence the 10 Mega Bits. (This exceeds broadcast resolution).

### Video output resolution is 520 TV lines. Real video is output.

The networking interface is a custom built gigabit circuit which transfers video data directly from the hard disk storage to the network, allowing downloads to take place really fast. Downloads video at 150 mega bits per second. The fastest we've seen in other products is 30 mega bits per second.

### Like all of our systems, the Liberator is scalable and designed for really large systems. There is no single point of failure.

Copying in the front panel is to Blu-ray disks, in 25GB or 50GB chunks, or to any type of DVD or CD. Download over the network.

All hard disks are removable from the front panel whilst recording is taking place. Only disks being used are powered up. This reduces power consumption and extends disk life. Duplicate disk recording can take place, so you could remove bulk video evidence, and leave a copy in the recorder.

Each recorder can contain 8000 gigabytes. This can be increased in 20,000 gigabyte chunks by adding external storage, which we make. If you want to record all your cameras in real time for one year, YOU CAN.

The power consumption of each recorder is only 43 watts. Much less than the encoder / server / raid array - designs that consume a 1000 watts or more and generate lots of heat (and who pays for the power? £1 per watt per year).

There is no operating system, no PC, no embedded PC. All our hardware is handmade by our designers who have been working on video products for the past 20 years.

Tecton is an independent British company. We do not have to grovel to foreign masters in Tel Aviv or the USA. We do not have to make decisions that are only designed to boost our share price on a dodgy stock market somewhere. We have never needed a bank loan and we are financed entirely out of hard work. All our buildings and equipment are paid for. We are here for the long term.

**To see a Liberator in action, call us now for a demonstration**

# Tecton



Made in Britain

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