Timespace Technology

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Mobile, Portable and Covert Surveillance

K200
Digital Video Recorder

With Rechargeable Battery and Compact Flash
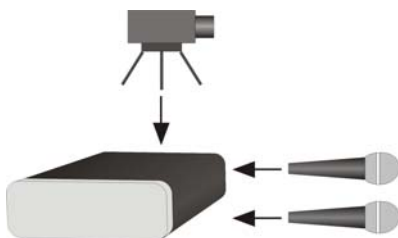
For Body-Worn Recording

Product Features

- **Ultra Small Size**
- **Robust**
- **Military-Grade Connectors**
- **Low Power Consumption + Hibernate Mode**
- **1 Video and 2 Audio Inputs, 2 Alarm Inputs**
- **5V, 6V, 9V, 12V Camera Power**
- **25 images/second**
- **Simultaneously Access Recordings and Recharge Battery via USB2**
- **Record via K200 Toggle Switch or External Trigger**
- **Vibrator Output to Indicate Recording State and/or Amount of Memory Used**
- **Watermarked Images**
- **Password Access Protection**
- **Simple Menu Configuration**
- **LEDs For Power, Battery, Charging and Memory**
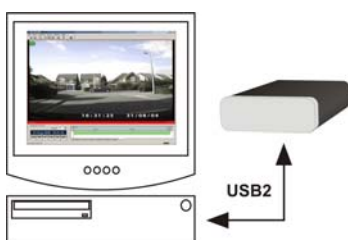- **Rechargeable Battery and 4GB Compact Flash (supplied installed)**

PCLink Reviewing/Archiving Software

The K200 Digital Video Recorder has 1 video, 2 audio and 2 alarm inputs.

Recordings are stored on internal flash memory and the K200 is powered from the internal rechargeable battery.

The K200 is connected to a PC via the included USB2 lead to simultaneously download recordings and recharge the internal battery.

PCLink200 software is used to review and archive recordings and the K200 menu settings are also configured on the PC.

K200 Specifications

Recording
Activation	Manual switch, external triggers (Alarm 1/2) or timer
Media	4GB compact flash, supplied installed
Recording Duration	Typ. 2 hours
Power On Until Recording	<1 sec

Video Recording
Rate	25ips PAL, 30ips NTSC
TVL	540
Pixels	720 x 288 PAL; 720 x 240 NTSC
Format	MPEG - full image update
Input Signal	1 input; composite video 1V p/p; colour/mono; PAL/NTSC
Embedded Text	Date/time plus 12 user-defined characters

Audio Recording
Type	Mono or stereo
Inputs	2 Mic level inputs 3V phantom powered (compatible with most condenser mics)
Sampling Rate	16kHz
Sampling Res.	16 bits

Connectors/Controls/Indicators

Actual Size

Toggle Switch	Off (USB2 to PC), On (record)
USB2/Control	Fischer 102 series 7 way(keyed); USB2 on 4 pins; control signals on 3 pins
Input/Output	Fischer 102 series 7 way (separately keyed); 1 video input, 2 audio inputs, plus camera power output and on/off signal
Camera Power	5V, 6V, 9V or 12V (menu selectable) supplied by K200 (max. 2W)

Battery
Power	Rechargeable Lithium Polymer 3.7V battery supplied installed
Recharging	Recharge in K200 by PC via USB2
Charge Time	Typ. <4 hours
Duration	Typ. 2 hours, recording with 0.6W camera
Consumption Recording	1.8W + 0.6W (miniature camera) = 2.4W
Consumption not Recording	1.1W
Consumption Hibernate	150mW
Auto Power Off	On low battery

Configuration
Entry	PC on-screen menus Via USB2
Security	Password protection
Date Options	dd/mm/yy; mm/dd/yy
Summertime Correction	UK; Europe; USA; Off

File System
File Type	Proprietary ".xba", convertible (with password) to AVI
File Name	Optional file text plus date & time
File Size	10 min or continuous

General
Security	Proprietary files; password protection; fragile watermark every image [MD5+DES]; embedded camera text
LED Indicators	Software enable/disable
Clock	TCXO +/- 4 minutes per year
Case	Aluminium body, stainless steel end plates
Dimensions [mm]	109 x 58 x 21 mm (case)
Dimensions [mm]	112 x 58 x 21 mm (including controls)
Weight	197g
Operating Temp. Range	0°C to 45°C
Supplied Accessories	USB2 cable 1.5m; PCLink Suite software CD (including manual); input plug and 4.7mm collet
Warranty	2 years (battery 1 year)

Playback
File access software;	Via USB2 connection, using PCLink200 typical transfer rate 7.0 MByte/sec

PCLINK200 REVIEWING/ARCHIVING SOFTWARE (supplied)

Availability	Supplied with K200; software available to law enforcement agencies
Compatibility	Recordings made on K200
Access	Via USB2 connection from K200 to PC
Operating Systems	Windows 98, ME, 2000, XP
Hardware Requirements	2GHz Pentium, 256MByte RAM, USB2
Security	Optional password on PCLink software and on export video to AVI function
Playback Controls	Rewind, jog back, stop, play and fast forward, jump to time, rapid shuttle via timeline.
Playback Speed	Variable x0.1, x0.2, x0.5, x1, x2, x3, x4, x6, x8, x10 realtime for rapid playback.
Features	Realtime playback with audio
	Review archive files
	Copy files from K200 to PC
	Copy images into Microsoft Word etc.
	Activate and verify watermarks
	Export video in multiple CD/DVD sized files
	Non-install playback software
	Export video to AVI file
	Motion graphing
	Full screen video playback

K-STATION FOR RECHARGING/DOWNLOADING (optional)

Automatically download recordings while recharging battery on up to 5 K200 units

Designed and Manufactured in the UK

9th March 2007

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