Digital Video Recorders

Solutions
TSE 5608
TSE 5601

SURVEILLANCE AUDIO RECORDERS   SOLUTIONS

1.1. Model 5608 Covert Video/Audio recorder including camera This miniature video/audio record provides minimal 4 hours high quality recording and can be concealed when connected to a button cameras for body worn operations or installed in a cap-briefcase etc.The recorded data can be viewed on a standard pc.	
1.2. Model 5601 Covert Video/Audio Recorder With 4gb flash memory this body worn robust digital recorder provides 25 images per second and stereo audio recording. The recordings are stored on a internal flash memory and is powered from internal re-chargeable batteries.	
1.3. Model 5602 Portable Video/Audio Recorder This hand held compact recorder with integrated monitor has 4 video input channels to enable multiple recording and quad displays on the monitor. Using mpeg4 technology and pal/ntsc format this product is extremely multipurpose for room or other observations	
1.4. Model 5604 Vehicle Recorder/monitor Kit This compact vehicle recording kit includes removable hard disk cartridge up to 120GB with 4 to 16 video inputs and 2 audio inputs as well as a hand held control unit for camera/ptz with inbuilt monitor. The mounting kit include vibration and shock protection.	
1.5. Model 5611 Rugged Portable DVR Recorder This portable real time MPEG4 Video and audio recording system provides 4 channel video input and 2 channel audio in high resolution dvd image quality. the unit has anti vibration and shock designed to withstand 10g grade. Suitable for vehicle integration.	
1.6. Model 5613 Portable Hardisk recorder This unique digital video recorder for static or mobile applications with 4 to 10 inputs. this system can be integrated with web server for 4 ip-connections and can be controlled via gsm or pstn/isdn link. the unit provides long term recording	
1.7. Model 5614 Portable room Monitoring Video/Audio Kit A compact room video/audio recording kit comes complete with concealed video camera with audio mics-pir motion sensor and video/audio recorders enabling quick installation for recordings of meetings in room and vehicle.	

DIGITAL VIDEO AUDIO RECORDER · TSE 5608

The Digital Video-Audio Recorder is a miniaturized, solid state, stand alone device, which can be utilized for remote video and audio logging.

The unit's small metallic enclosure and totally silent operation make it suitable for most covert activities where stealth and long-term reliability is the key to success.

The unit can record stereo audio and color or black white video from 1 to 15 frames per second, and image sizes of up to 640x480 pixels utilizing a standard composite video camera input.
The digital recorder will record up to two hours of color video and maybe expanded by adding up to eight more memory cards.

Recorded date may be transferred, viewed, edited and archived on a standard PC.
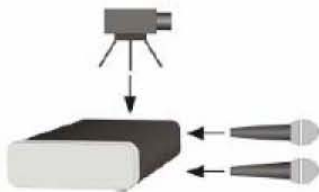

SYSTEM FEATURES

- 4 hrs of color VGA video and Audio, 30FPS
- Optional 4hr/30FPS memory cards
- Shirt button and pin hole camera included
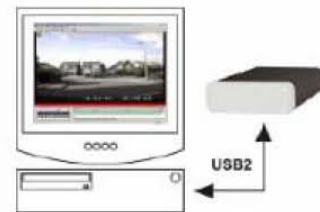
K200 DIGITAL VIDEO RECORDER   TSE 5601

PRODUCT FEATURES

- Ultra Small Size
- Robust
- Military-Grade Connectors
- Low Power Consumption + Hibernate Mode
- 1 Video and 2 Audio Inputs
- 5V, 6V, 9V, 12V Camera Power
- 25 images/second
- Simultaneously Access Recordings and Recharge
- Battery via USB2
- Record via the unit 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)

The Digital Video Recorder has 1 video and 2 audio inputs Recordings are stored on internal flash memory and the unit is powered from the internal rechargeable battery

The unit 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 unit menu settings are also configured on the PC

SPECIFICATIONS

Activation	Manual switch, external triggers 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

K200 DIGITAL VIDEO RECORDER

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

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 the unit (max. 2W)

Battery

Power	Rechargeable Lithium Polymer 3.7V battery supplied installed
Recharging	Recharge in unit 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

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	Aluminum 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)

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or would like to discuss a specific requirement or project, please contact us at:

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