



DIGITAL AUDIO RECORDING SOUND SYSTEMS DIGITAL
CCTV SURVEILLANCE AND
SOUND SYSTEMS DIGITAL TRANSLATION
CCTV SURVEILLANCE AND EAVESDROPPING DEVICES
SOUND SYSTEMS DIGITAL TRANSLATION SYSTEMS
EAVESDROPPING DEVICES VOICE AND DATA IN
DIGITAL



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onedigital ltd Ridgeway Farm, Hartwell Road,
Ashton, Northampton, NN7 2JR
T: +44 (01604) 652 152
E: info@onedigital.ltd.uk W: www.onedigital.ltd.uk



One Digital Limited is a progressive, dynamic company formed by a number of complementary partners with synergistic digital technologies.

One Digital has developed a number of original, patented solutions:

These key technologies include:

- > Evidential Recording Systems
- > Transcription Systems
- > Translation Systems
- > CCTV Recording Systems
- > Surveillance & Monitoring Systems.

For over five years, One Digital personnel have pioneered the migration from analogue to digital technologies across the Criminal Justice system – including the Courts & Police Services – and in other equally demanding commercial environments.

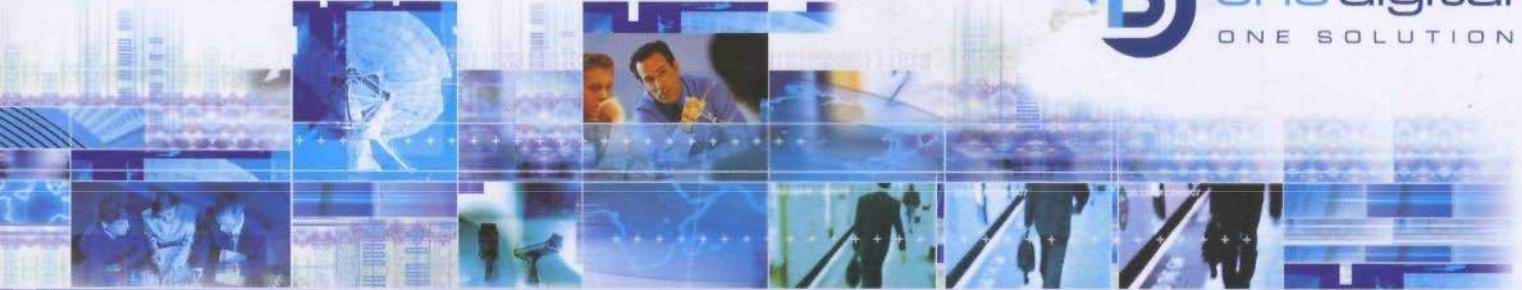
Our comprehensive transition process enables our clients to capitalise on the benefits of the new technologies, at an affordable cost, whilst minimising the impact on their critical business processes.

One Digital Limited offers clients both 'off-the-shelf' systems or customised solutions which are 'fit-for-purpose', through gaining a real understanding of their objectives and procedures.

Our skilled engineering team has specialist knowledge and expertise in the integration of these 'state-of-the-art' systems, both as individual applications or enterprise-wide solutions.

OUR MISSION

"To deliver outstanding business solutions through technical innovation and exceptional service, exceeding the expectations of our clients & partners"



■ ANALOGUE TO DIGITAL MIGRATION - THE CASE FOR CHANGE

Return on Investment

Integrated digital technologies reduce the total cost of ownership both directly and indirectly. There is a choice of payment options - either Capital Investment or Leasing.

Direct Cost-savings

- > Trade-in of legacy equipment.
- > Lower media costs.
- > Reduced Storage costs.
- > Reduced retrieval & copying costs.
- > Reduced manpower costs.
- > Reduced Transcription costs.
- > Minimal support costs.

Indirect Cost-savings

- > Improved workflow management.
- > Effective use of manpower.
- > Fully integrated applications.
- > System & technical reliability.
- > Improved information & communications.

Managing the change

For over five years One Digital personnel have pioneered the migration from analogue to digital technologies in a number of demanding Government and Commercial environments – including the Police Service, the Courts, Councils and Health Services. Our unique experience & expertise ensures that our clients experience minimal disruption throughout the change.

- > A structured, costed and managed transition process.
- > The maintenance of legacy equipment throughout a phased programme.
- > Environmental care in the disposal of legacy equipment.
- > The managed transfer of legacy analogue tapes to a digital format.
- > User Acceptance Tests at critical milestones.
- > Comprehensive training manuals & courses.
- > Regular reviews after completion.

Keeping pace with technology

One Digital has developed a number of original – some patented – digital applications and solutions. Our technical team ensure that our clients are fully aware of new versions of existing solutions together with the latest relevant innovations and technical advances, futureproofing their investment in partnership with One Digital.



■ ANALOGUE TO DIGITAL MIGRATION - THE CASE FOR CHANGE

Why change?

For many years Evidential Recording has been carried out using dual-deck analogue recorders and cassettes, these systems are coming to the end of their practical life – the technology has been superseded by versatile digital alternatives offering synergistic applications, all of which can be either standalone or fully integrated.

The Difficulties with Analogue Systems.

- > The technology is becoming obsolete.
- > The recorders are ageing, causing increasing downtime.
- > Spares & media are becoming increasingly difficult to obtain.
- > Service costs are increasing disproportionately.
- > Storage & retrieval costs are high.
- > Special transcription equipment is required - with attendant costs.

The Benefits of Digital Solutions.

- > High quality - proven technologies.
- > Enhanced performance and reliability
- > Lower operational costs.
- > Rapid return on investment
- > Customised business processes
- > Facilitates fully integrated solutions.

Defining your needs

One Digital Limited has developed a simple and unique process for developing customised solutions which are cost-effective and 'fit-for-purpose' for individual clients through a real understanding of their business processes and management systems.

- > A detailed analysis of working practices & mandatory procedures.
- > An analysis of procedural conformity with specific applications.
- > The provision of 'in-built' security of data & information.
- > Reliable & robust integration with the core IT infrastructure.
- > The specification of correct Content Management solutions commensurate with the volumes and types of data.

Improving your Business Processes

Maximum efficiency can be achieved through the introduction of Integrated Workflow Management solutions. This efficiency is the result of the planned integration of all, or any of the synergistic applications, via a central, open-architecture, digital network with a standard SQL database.



Evidential Recording: Digital Networked Solution



Security & Safety:

- > PACE compliant recording, archiving and review.
- > All recordings digitally signed.
- > Secure data storage and access.
- > Power-loss protection.

Technical Versatility:

- > All systems 'Open architecture'
- > Fixed and Portable systems.
- > Choice of networked solutions.
- > Full integration with IT infrastructure.

A choice of solutions:

The versatility of AIR 'open architecture' recorders facilitates full integration with all leading transcription and workflow management solutions.

Peace of Mind:

- > British software & hardware.
- > Secure operational sites.
- > Partnerships with security agencies
- > Specialist development and training facilities



Evidential Recording: Digital Netw

1 Interview Data

- > Manual input of demographics or remotely via network.
- > Automatic / Manual allocation of Interview Room.
- > Optional customised integration with existing IT systems.
- > The generation of a URN (Unique Reference Number)

2 Fixed and Portable Recorders

- > AIR Audio / Audio Video Recorder (Individually numbered).
- > All instructions visually displayed.
- > Demographics automatically displayed on recorder.
- > Interviewer confirms time & demographics are correct.
- > Recorder checks for correct media / signal strength.
- > Optional Remote Monitoring

4 Typing and Transcription

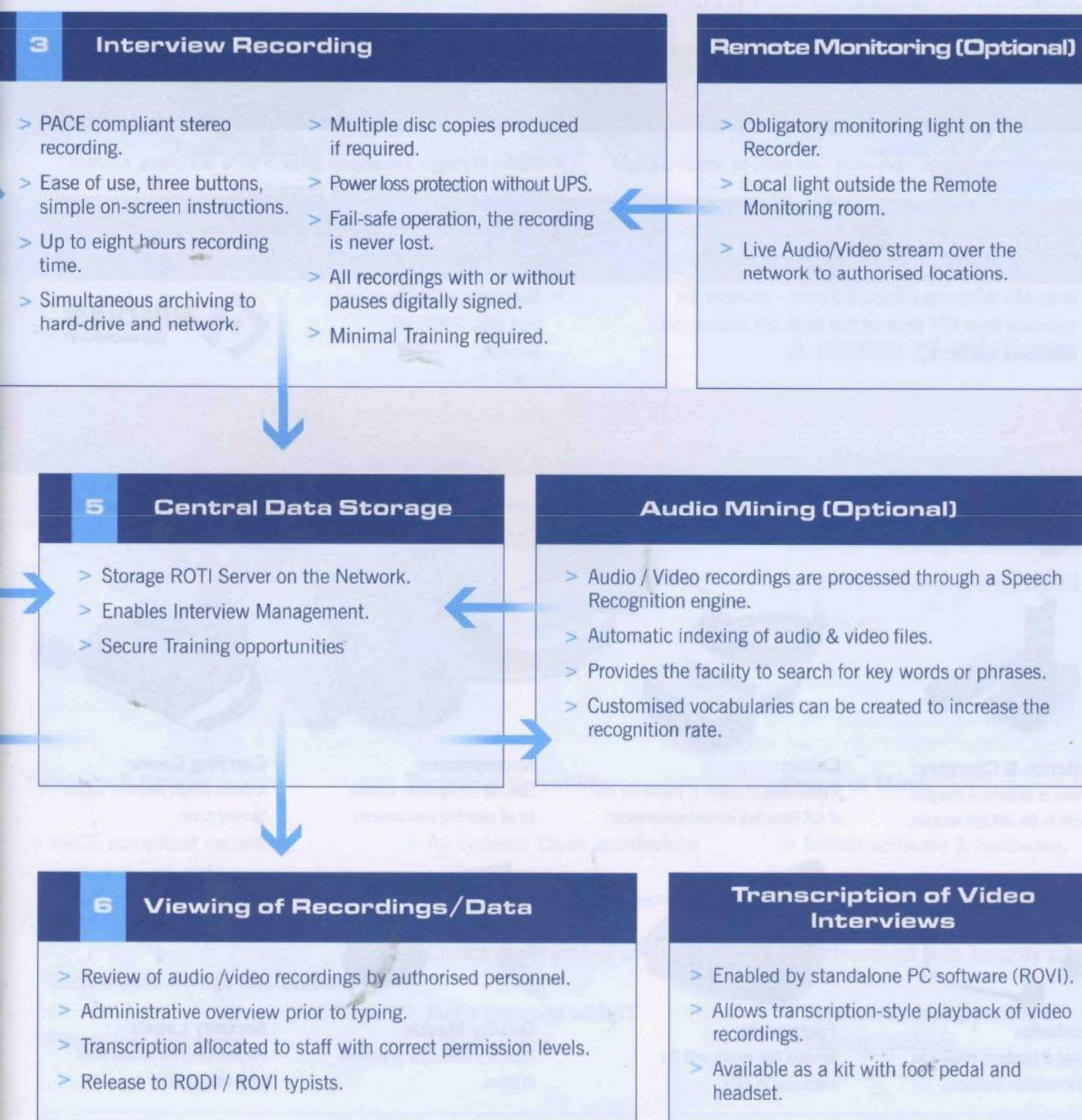
- > All recordings allocated to appropriate transcriptionist by an authorised administrator.
- > Typists review their allocated jobs / demographic data.
- > Enables secure flexible working, job completion.
- > Opening the 'job' automatically populates the correct standard template document with demographics.
- > A compact media player supports foot pedal playback & control.
- > Shortcut keys allow speedy entry of participants names / time stamps.
- > Transcriptions and recordings – with demographics are stored on a central server, where they can be reviewed – with the correct permissions.

Secure enhancements of your business processes:

Every individual stage of the PACE compliant recording process, recording, storage and review is undertaken with complete security and improved efficiency.



Worked Solution > Workflow Process



Technical Information



AIR 2,3 and 4 Drive Digital Recorders:
(Mains Powered)
Dimensions:
W:400 D:260 H:120mm
Weight: 3.8kg



AIRLight 2 Drive Portable Recorders:
(Mains and Battery Powered)
Dimensions:
W:250 D:210 H:120mm
Weight: 2.3kg

All AIR Recorders:

- > Comply with the Police and Criminal Evidence Act 1984 (PACE)
- > Protects the integrity of all recordings protected by a 2048 bit DSA digital signature and a SHA-1 checksum

- > Offer audio format options: CD-DA, MPEG-1 Layer II & III @ 192kbps, Speex (ogg) @ 24-70kbps
- > Produce high quality stereo audio recordings from 2 phantom powered microphones

Networked Evidential Solutions

- > Web Browser based operation - no need to install a client
- > Uses Speex audio codec – designed for purpose, Speex is optimised for human speech, giving minimal file size required. (c.14 - 16MB per hour of audio.)
- > Uses MS Windows integrated tools - no need for approval from ICT dept as the tools are already on Windows systems.
- > Audio Mining - SR engine gives >95% accuracy, custom vocabularies improve this percentage.
- > Ogg file is used to optimise storage space - higher quality mp3 file is used for the Speech Recognition engine
- > Support for Oracle 10/11 and SQL 2005/08 Servers.



Accessories and Media



A wide range of high quality media and accessories are available to complement the AIR and AIRLight Recorders.



Batteries & Chargers:
A choice of batteries & chargers specific to the AIRLight recorder.



Cables:
A wide range of cables to enable the use of AIR Recorders in most environments.



Microphones:
Selected microphones suitable for all recording environments.



Carrying Cases:
A choice of light weight or rugged carrying cases.



Headsets:
A range of Headsets suitable for all transcription locations.



Footpedals:
Versatile foot-pedals with the transcriber in mind.



Quality Media:
Plain or printed CD's in a choice of cases.

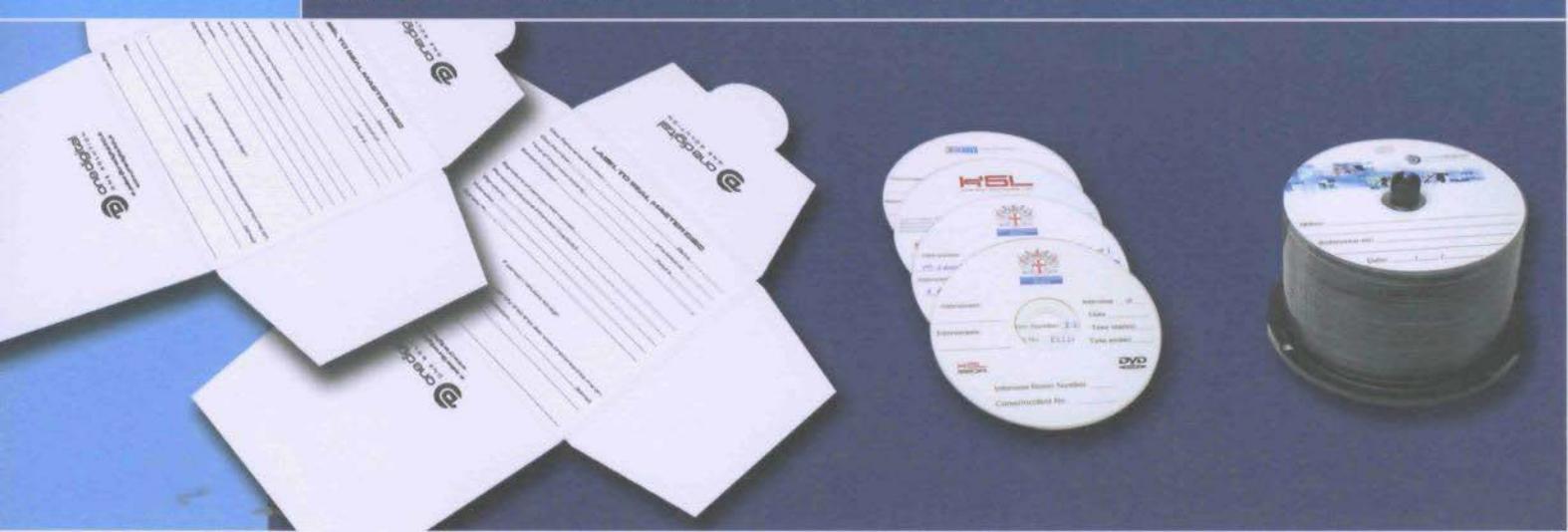


Security Labels
Purpose designed tamper-proof jewel case labels.



one digital
ONE SOLUTION

DIGITAL MEDIA ORDER FORM



CD-Rs

Item	Quantity	Cost	Qty Req	Total
Set-Up charges (for CD printing)				
Artwork	1	£60.00		
Films up to 5 colours	Per colour	£20.00		
CD-Rs				
	100 - 249	£1.65 each		
	250 - 499	£1.10 each		
	500 - 999	60p each		
	1000 - 2499	55p each		
	2500 - 4999	50p each		
	5000 - 9999	40p each		
	10000+	30p each		
Optional Extras				
Jewel Case (5.2mm)	1	15p each		
PVC Wallet	1	8p each		
Optional Service				
Shrink-wrapping each jewel case	(Packed 100's)	10p each		
		Total:		

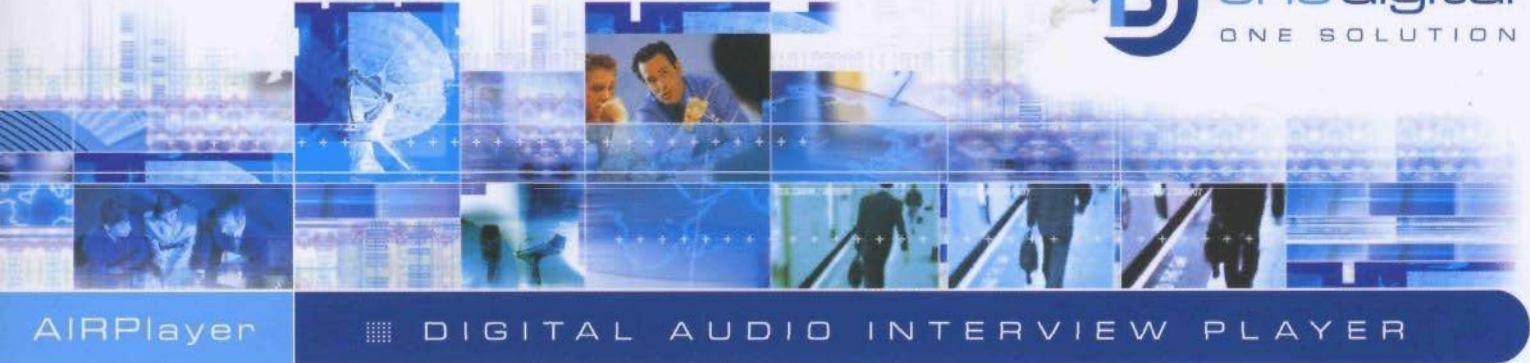
Labels

Media Package: Setup + Artwork + Films + CD + Jewel Case + Wrapping + Security Label

Item	Quantity	Cost	Qty Req	Total
Self adhesive 'Crackback' Security Labels for Jewel Cases. Printed one colour from artwork supplied by customer.				
	Minimum Quantity 500			
	500	60p each		
	1000	42p each		
	2500	27p each		
	5000	22p each		
	10000	19p each		

Self adhesive 'Crackback' Security Labels for Jewel Cases

	Minimum Quantity 100		
	100	55p each	
	250	50p each	
	500	45p each	
	1000	42p each	
	2500	27p each	
	5000	22p each	
	10000	19p each	
	Total:		



AIRPlayer

DIGITAL AUDIO INTERVIEW PLAYER

Software Features

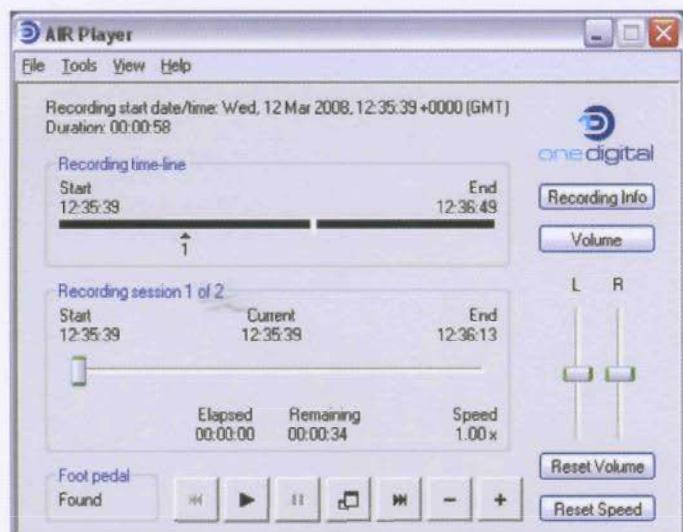
- > L & R Ch. Volume Controls
- > Hands free operation
- > Real time counter
- > Graphical position indicators
- > Whole session Start End
- > Each session Start / Current / End
- > Fast forward, rewind
- > Skip to next / last pause
- > Speex / MP3 playback
- > Speed control
- > Automatic backspace
- > View recording meta-data
- > Compact view
- > Verify audio

Package Contents

- > 1D - API AIRPlayer CD
- > 1D - FC1 USB Foot Pedal
- > 1D - HS1 Headset
- > User Guide
- Compatible with:
- One Digital Ltd
- 1D - AIR Range

AIRPlayer: PC-based transcription software

The AIRPlayer Transcription Set is a digital transcription system designed specifically to be used with evidential interviews recorded with One Digital's AIR.



User display interface



Compact View

General Features

- > Recording time and date stamp.
- > Visual job overview showing time line and pauses during the interview.
- > Individual recording session time line showing start, current and end times together with remaining time indicator.
- > Controls to allow skip to next or previous recording session.
- > Light version (Play, Pause) operation when foot pedal not connected. (Foot pedal connection provides advanced transcription facilities, see below).
- > View recording meta-data: Access to job meta-data during transcription provides all relevant interview information.
- > Verify recording integrity - the player automatically verifies the recorded data against the checksums stored on One Digital recorded discs.

Advanced Features

- > Individual volume, left and right channel, controls to aid the listener when more than one person may be speaking.
- > Speed control, - 0.50x to +4.00x.
- > Separate reset speed to normal - 1.00x control
- > Auto Backspace Control - The number of seconds that the progress slider jumps back when PLAY on the footpedal is released.
- > User definable global hot key for playing and pausing.
- > Fast Forward and Rewind Control - The number of

seconds skipped each time FWD or REW are pressed on the foot pedal.

- > Switch the foot pedal between 'hold-to-play' and 'release-to-pause' or 'tap-to-play' and 'tap-to-pause'.
- > Option to swap the FWD and REW buttons on the pedal.
- > Continuous Playback option - to play an entire recording without pausing at pause markers.
- > A full User Manual (PDF) is installed with each Licensed copy.

Fit for purpose design

PACE Compliancy:

> AIR Recorders have been designed specifically for evidential recording and are fully compliant with the Police and Criminal Evidence Act (1984) and Home Office guidelines.

The Integrity of the Recordings:

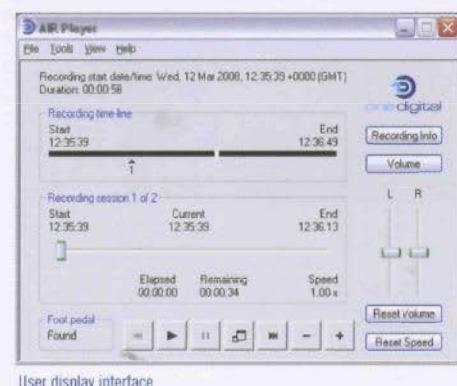
- > The integrity of every recording is protected by a 2048 bit DSA digital signature and a SHA-1 checksum.
- > The AIR will only commence recording when correct blank media and fully functioning microphones are present.
- > The discs cannot be forcibly or wrongly ejected.

Failsafe Features: Standalone and Networked.

- > Recordings are fully protected from the loss of power.
- > When in network mode, AIR Recorders will not record if there is an error with the network connection.
- > A recording is only declared completed after the audio has been transferred to the designated server.
- > Metadata relating to the recording can be stored alongside the recording on every disc.
- > Multiple audio formats can be recorded on to every disc.

Robust Construction:

- > Light weight but robust aluminium casing withstands accidental knocks & direct spillages.
- > Buttons, indicators & connectors are designed for frequent use.



AIRPlayer: PC-based transcription solution

The AIRPlayer Transcription Kit is specifically designed for use with AIR and AIRLight digital audio interview recorders.

Viewing of recording metadata:

The software allows access to the job metadata providing all the relevant Interview information.

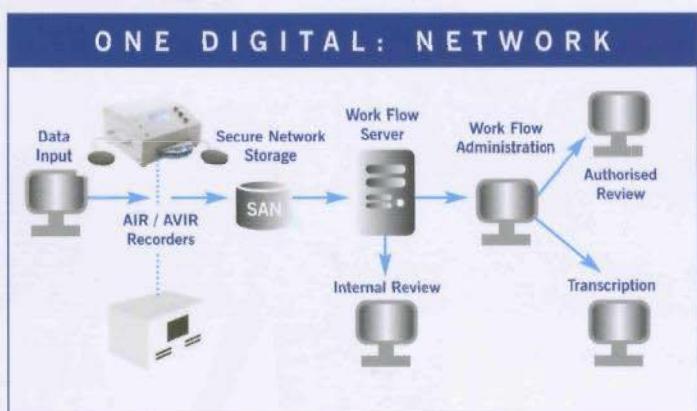
Verification of recording integrity:

The player can verify the recorded data against the checksums stored on the recorded discs.

Advanced transcription features:

The AIRPlayer consists of Transcription software, headset and foot-pedal, providing advanced transcription facilities.

Network Capability



Network ready:

- > All AIR Recorders are network-ready as standard.

Compatibility:

- > The AIR recorders are fully compatible with a number of leading transcription workflow systems.

Scalability:

- > The systems are scalable from simple point-to-point FTP, to the enterprise level.

Tailor-made customised solutions:

- > One Digital and our Strategic Partners can provide fully integrated transcription workflow solutions tailored to your specific requirements.

Accessories and Media



Batteries & Chargers:

A choice of batteries & charger specific to the AIRLight recorder.



Cables:

A wide range of cables to enable the use of AIR Recorders in any environment.



Microphones:

Selected microphones suitable for all recording environments.



Carrying Cases:

A choice of light weight or rugged carrying cases.



Headsets:

A range of Headsets suitable for all transcription locations.



Footpedals:

Versatile foot-pedals with the transcriber in mind.



Quality Media:

Plain or printed CD's in a choice of cases.



Security Labels

Purpose designed tamper-proof jewel case labels.


AIRLight
DIGITAL AUDIO INTERVIEW RECORDER
Technical Specification
Dimensions:

W: 250mm
(+300mm for battery fitting)
D: 210mm
H: 120mm

Weight:

2.3Kg

Disc Drives

- > Physical Disc Format: CD-R.
- > On-Disc Formats:
 - > CD-DA (Red Book)
 - > MPEG-1 Layer II (mp2) @ 192kbps
 - > MPEG-1 Layer III (mp3) @ 192kbps
 - > Speex (ogg) @ 24-70kbps
- > Number of drives: 2
- > Finalising Times:
 - Up to 2 mins (for 2 hour recording)

Audio Inputs

- > Freq. Response:
50Hz - 12kHz (-3dB)
- > Input Impedance: 600Ω
- > Input Sensitivity: 10mV @ 1kHz
- > Crosstalk: >60dB typical.
- > Digitised: 2 channels @ 48kHz
- > Phantom Power for professional microphones

System

- > Power Requirements:
230 V AC, 50/60 Hz, 33W max.
- > Operating Temperatures: 5°C-35°C.
- > Operating Humidity:
35% to 70% RH, non-condensing.
- > Non-Operating Humidity:
20% to 80% RH, non-condensing.
- > Acoustic Noise:
 - > Max. 36 dB(A) @ 1m, idle.
 - > Max. 41 dB(A) @ 1m, finalising.



AIRLight Portable 2 Drive Recorder



The AIRLight portable Interview recorder is a PACE compliant digital audio recorder for evidential and disciplinary interviews. The portable recorder can be mains or battery powered and is suitable for recording in any location. The recorder guarantees faultless, digital stereo recordings of up to eight hours on two identical CD's copies. Both copies are digitally signed preserving the integrity of the recording. The AIRLight recorder is network-ready.


Stereo Recording

- > Up to 8 hours recording.
- > Wide stereo separation.
- > Suitable for all room sizes.

Easy-to-use

- > Two button operation.
- > Clear indication of recording.
- > Optional pause feature.

Special Features

- > Fail-safe media check.
- > All recordings are digitally signed.

Informative Display

- > Toggle between clock time and remaining time.
- > Audio level indication.

Portability and versatility of recording


Battery Adapter

Fully integrated with the recorder


Batteries & Charger

Batteries to allow up to 5 hours record time
Mains desktop chargers


Vehicle Battery Cable

For in-vehicle recording


Mains power cable

UK and International Power Cables


Carrying cases

A choice of lightweight or heavy duty carrying cases

Fit for purpose design

PACE Compliancy:

> AIR Recorders have been designed specifically for evidential recording and are fully compliant with the Police and Criminal Evidence Act (1984) and Home Office guidelines.

The Integrity of the Recordings:

- > The integrity of every recording is protected by a 2048 bit DSA digital signature and a SHA-1 checksum.
- > The AIR will only commence recording when correct blank media and fully functioning microphones are present.
- > The discs cannot be forcibly or wrongly ejected.

Failsafe Features: Standalone and Networked.

- > Recordings are fully protected from the loss of power.
- > When in network mode, AIR Recorders will not record if there is an error with the network connection.
- > A recording is only declared completed after the audio has been transferred to the designated server.
- > Metadata relating to the recording can be stored alongside the recording on every disc.
- > Multiple audio formats can be recorded on to every disc.

Robust Construction:

- > Light weight but robust aluminium casing withstands accidental knocks & direct spillages.
- > Buttons, indicators & connectors are designed for frequent use.

Accessories and Media

A wide range of high quality media and accessories are available to complement the AIR and AIRLight Recorders.



Batteries & Chargers:

A choice of batteries & chargers specific to the AIRLight recorder.



Cables:

A wide range of cables to enable the use of AIR Recorders in any environment.



Microphones:

Selected microphones suitable for all recording environments.



Carrying Cases:

A choice of light weight or rugged carrying cases.



Headsets:

A range of Headsets suitable for all transcription locations.



Footpedals:

Versatile foot-pedals with the transcriber in mind.



Quality Media:

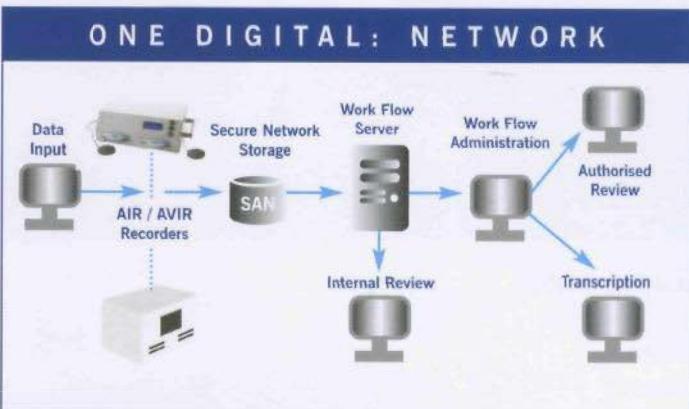
Plain or printed CD's in a choice of cases.



Security Labels

Purpose designed tamper-proof jewel case labels.

Network Capability



Network ready:

- > All AIR Recorders are network-ready as standard.

Compatibility:

- > The AIR recorders are fully compatible with a number of leading transcription workflow systems.

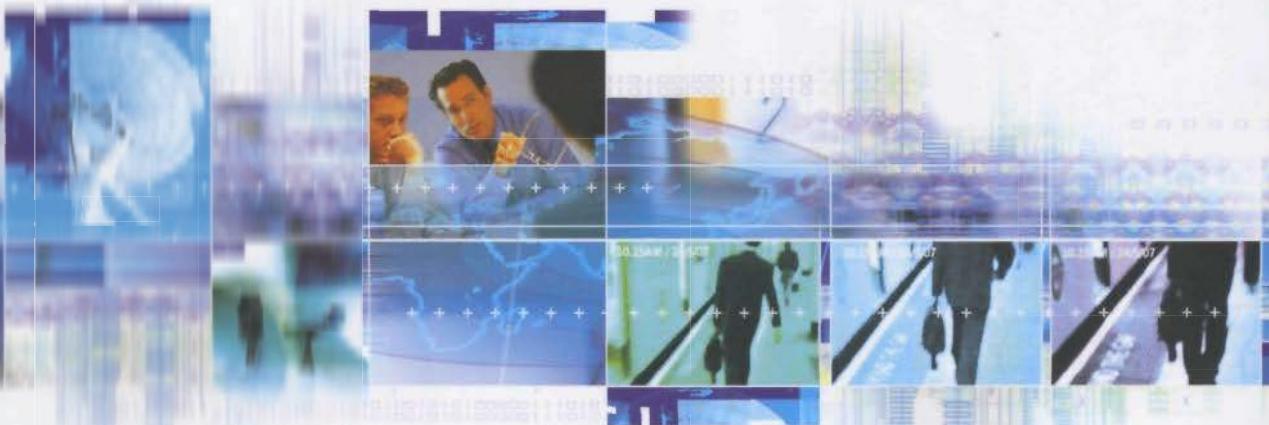
Scalability:

- > The systems are scalable from simple point-to-point FTP, to the enterprise level.

Tailor-made customised solutions:

- > One Digital and our Strategic Partners can provide fully integrated transcription workflow solutions tailored to your specific requirements.

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