

# Advanced Integrated Recorder™ Networked Record and Replay System

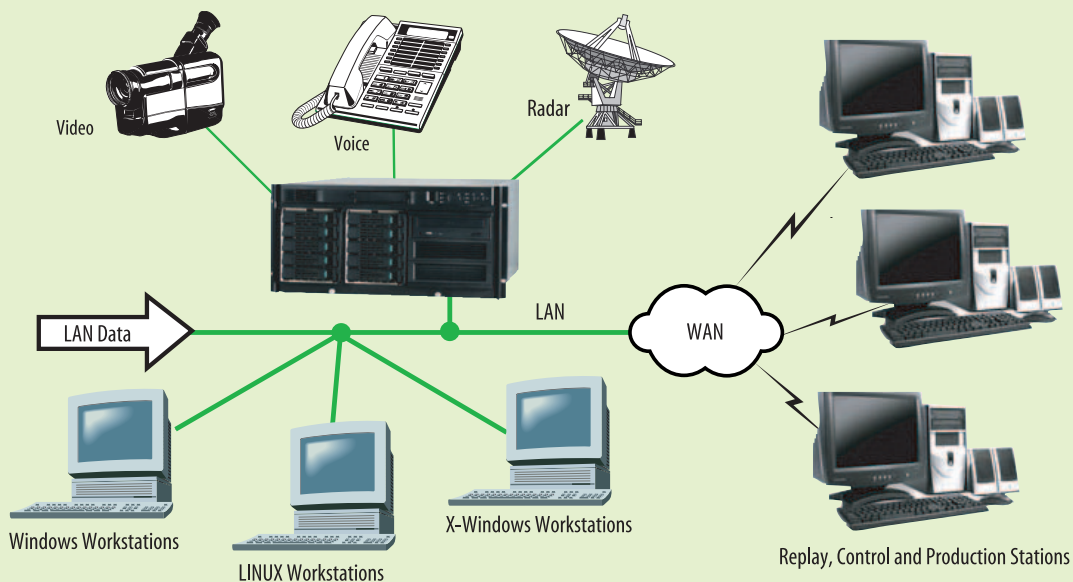
*Integrated recording of voice, video, radar, workstation screens and LAN/WAN data.*

## The Advanced Integrated Recorder delivers:

- Precise and synchronized re-creation of “what happened” for incident investigation, legal verification, training or instant after-action review
- Networked record, control and replay functions, allowing access to multiple recorders in geographically distributed locations
- Long-term hard disk storage, allowing instant access to months of information – no more daily media changes
- 100% COTS hardware for state-of-the-art performance, minimal rack space, easy maintainability and high availability
- Customized or ruggedized versions to suit customers' specific system requirements



The Advanced Integrated Recorder (AIR) is a leading-edge, cost-effective voice recorder and much more. It records the many types of information involved in an incident, mission or training session and instantly makes that information available for synchronized replay at local or remote locations. By using modern IT equipment and network technology, AIR provides wider access to more information, in a smaller space, and at lower cost than has previously been possible.



**AIR allows you to recreate exactly “what happened” during complex, fast-paced operations.**

# Advanced Integrated Recorder™ Technology

Advanced Integrated Recorder technology is optimized for air traffic control, C4I, air defense, coastal/ border/harbor monitoring and related applications. Virtually any combination of voice, workstation screen, synchronous serial (radar) and video inputs may be recorded using configurable combinations of AIR components. Replay, control and

production of “portable” data extracts may be accomplished locally to the recorder or remotely via LAN/WAN. Data may be “online” archived using internal or external hard disks, and/or “offline” archived using DVD, digital tapes or libraries. All recorded information is secured, time-tagged and immediately available for synchronized replay.

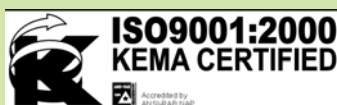
## Specifications:

<b>19" rack mounting space</b>	<b>1U, 2U and 5U versions available</b>
<b>Processor</b>	<b>2.4 – 3.2 GHz Xeon™, dual optional</b>
<b>RAM</b>	<b>512 MB – 12 GB</b>
<b>Storage</b>	<b>DVD, AIT, Hard Disk, USB</b>
<b>Hard Disk Storage Capacity</b>	<b>Up to 1.47 TB internal, 15+ TB external (90+ days)</b>
<b>Ethernet</b>	<b>Dual Gigabit built-in</b>
<b>Audio channels</b>	<b>12 to &gt;1000</b>
<b>Audio inputs</b>	<b>Analog, 2-wire digital, T1, E1, VoIP</b>
<b>Radar inputs</b>	<b>RS-232/422 synchronous serial, FSK, LAN</b>
<b>LAN inputs</b>	<b>TCP/IP, Directed/Multicast UDP</b>
<b>Screen recording inputs (over LAN)</b>	<b>X-Windows, Windows 2000/XP, LINUX</b>
<b>Video inputs</b>	<b>NTSC/PAL, EO, IR, Digital</b>
<b>Master time input</b>	<b>NTP, IRIG-B, IRIG-E, RS-232, GPS</b>
<b>Security</b>	<b>Multi-level password control</b>
<b>Safety &amp; EMI</b>	<b>UL, CE, FCC, EN60950, EN55022, EN55024</b>
<b>Replay</b>	<b>Simultaneous record and replay of up to 6 sessions</b>

Features and specifications subject to change without notice

## Options:

- Redundant fans, hard disks (RAID 0, 1, 5), power supply, CPU
- Expansion chassis for additional input cards, media drives or hard disks
- Operator Console software for AIR user interface on Windows™ PC
- LAN API for external control of replay functions
- Transcription station (PC) with Microsoft Word™ integration
- Replay and Management stations (PCs)
- Simple Network Management Protocol (SNMP) output for status monitoring
- Dry relay contact alarm output
- Rugged AIR versions using Formation's ToughDisk™ hard disks
- Other customized versions available upon request



Formation, Inc.  
121 Whittendale Drive  
Moorestown, NJ 08057  
USA

Ph: +1.856.234.5020  
Fax: +1.856.234.5242  
Email: sales@formation.com  
Web: www.formation.com