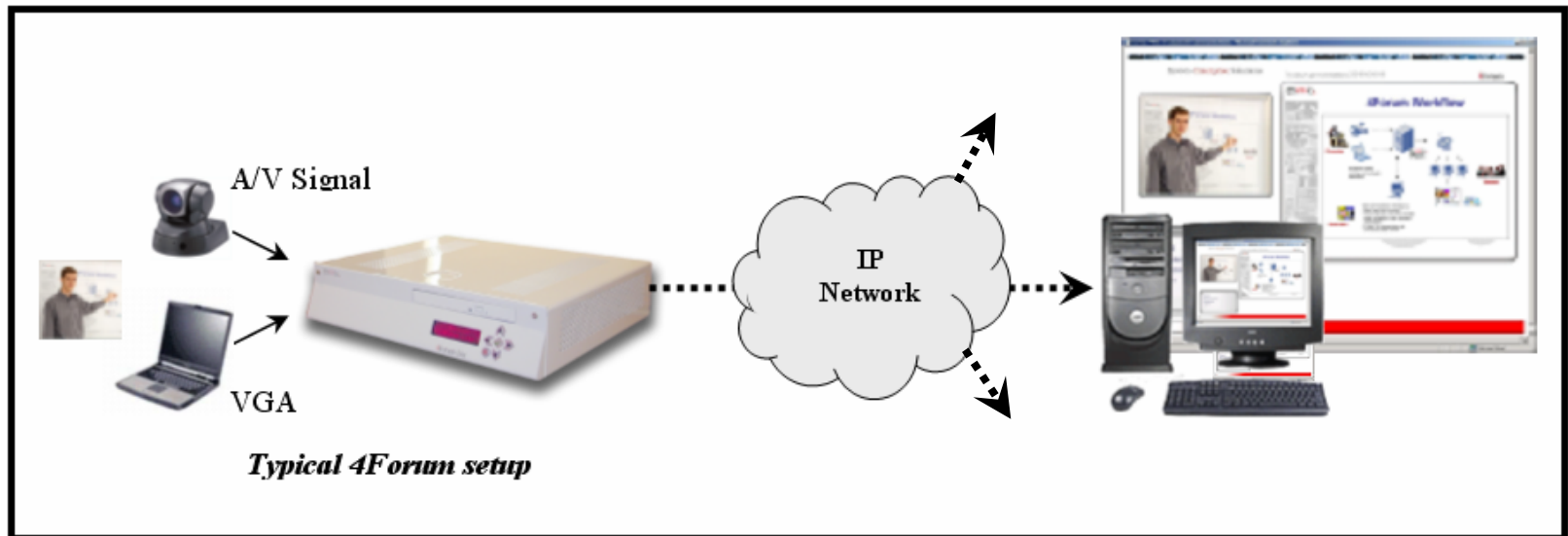


A screenshot of a web browser displaying the Envivio website. The page features the Envivio logo and the tagline "The leading provider of MPEG-4 Streaming and Broadcast Solutions". It includes a video player showing a man speaking, a sidebar with text under headings like "Introduction", "MPEG-4 Interactivity", and "Ease of use", and a main content area titled "4Forum - Webcasting System". A physical Envivio 4Forum device is shown in the foreground, partially overlapping the bottom of the browser window. The device is a small, rectangular, light-colored unit with a CD-ROM drive and a small display.

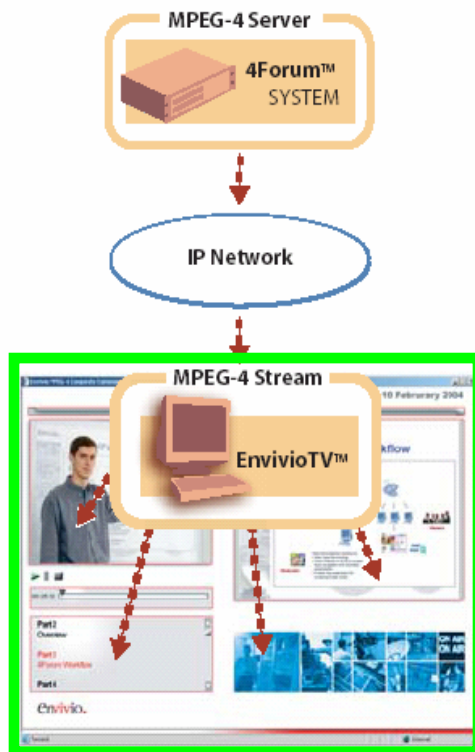
- **Broadcast and Record** synchronized Video, Audio, and computer Screen Capture



- **Input 1:** VGA input (1600x1200 native resolution) from laptop
- **Input 2:** Audio/Video input from Camera
- **Output:** Ethernet (MPEG-4 IP multicast and unicast) to thousands of viewers
- **Playback** on PC, Mac, Set Top Box

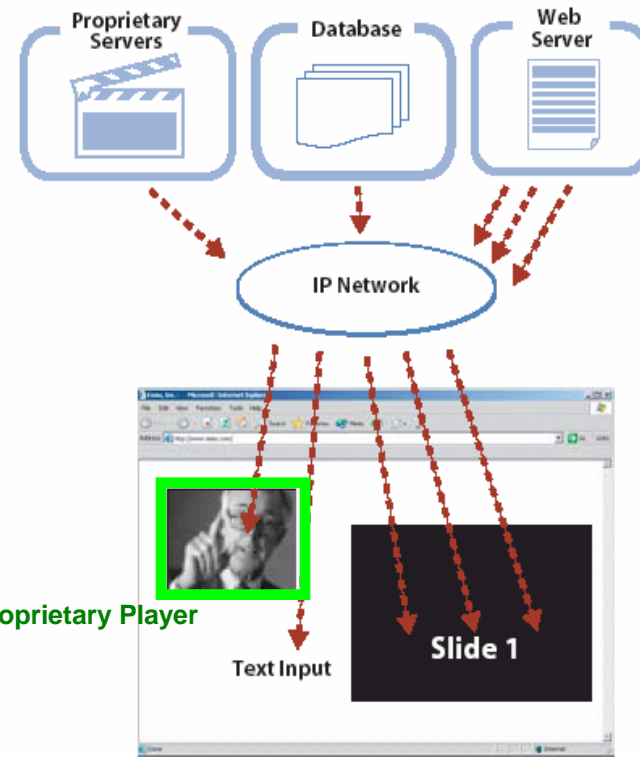
- Multi-Object MPEG-4 Webcasting vs

Traditional – Hybrid HTML Webcasting



MPEG-4 Player

- Perfect synchronization
- Seamless scalability
- Low latency (<1 second)
- Simple architecture



- Synchronization problems
- Limited scalability
- Long latency (>10 seconds)
- Complex architecture

- **How is 4Forum Different from other products with synchronized video and PowerPoint?**

- All other systems are based on HTML and use browser to compose elements of the presentation:
 - Proprietary embedded player
 - JPEG images (pre-uploaded and converted from a PPT presentation)
 - Some JavaScript, databases and other web based tape and glue
- **4Forum** composes all elements inside MPEG-4 player:
 - MPEG-4 video, audio, and VGA objects
 - MPEG-4 Text and Image objects with interactivity
 - Everything is displayed inside the MPEG-4 player

