**Live Broadcasting**

- Staff Development Training
- Concerts & Plays
- Sporting Events
- Board Meetings

**Learning Objectives**

- **Broadcast**: Live broadcast using the Live profiles
- **Create Announcements**: Create Morning Announcement Resource
- **Upload**: Add resources to the Digital Library
- **SportsCAST OnLocation**: Learn about optional broadcasting add-ons
OnLocation™ Cart

- Mobile cart output can be:
  - File
  - Live stream (Digital TV channel)
  - Both

- Cart contains:
  - Mounted camera
  - PC with an encoding card
  - DVD/VHS deck
  - Wireless microphone system (optional)
  - Drawer for secure storage

OnLocation Cart Login

Getting Started

- Connect to network & power
- Open the front (glass) door
- Open the encoder drop-down panel and press the PC power switch
- Login using the credentials provided in training

OnLocation Cart Remote

- The DVD deck has many inputs (sources) and sometimes the input must be adjusted
- Press the Input Select button on the remote to switch input sources between L1, L2, and L3
  - **Note:** Some DVD decks will automatically switch to an active source (e.g., the camera) when you have ejected the disc and tape
Wireless Microphones

- Optional feature on each cart; can be added at a later date
- Greatly enhances sound quality on live broadcasts
- Volume and gain controls are accessible from the front of the cart
- Power switch on each handheld and belt-clip microphone

Wireless Microphones (cont.)

- Each microphone has a power switch
  - Always turn the microphone off after use!
  - The red power light illuminates briefly (on power up) when battery power is acceptable
  - A solid light indicates low battery

Profiles

- Profiles are read-only templates
- Each Profile is used for different encoding purposes
- An encoding session consists of numerous settings, conveniently bundled into Profiles available on the desktop
Morning Announcement Profile

- Optional tool to conduct broadcasts
- Advantages:
  - Able to have multiple sources (i.e., Welcome screen> camera feed)
  - Automatic archiving to C:\Video Storage\Announcements.wmv
  - Power up the cart, camera, DVD deck and wireless microphone(s)
  - Double-click the Morning Announcements shortcut

Announcements Profile (cont.)

- Left click the Welcome source
- Click the Start Encoding button in the toolbar
- Confirm audio
- When the subjects are in place, left click the Live source
- At the end of the announcements, click the Stop button
  - Output path\file is always C:\video storage\morningannouncements.wmv
  - Rename and upload file if archive is desired

Announcements Profile (cont.)

- Audio levels can be adjusted in the profile.
- Click the Properties button in the toolbar, click the Sources tab, select the Live source and click the Configure button for the Audio source.
- After adjusting the Pin Line Input slider, save the profile.
Announcements Profile (cont.)

Sources may be added via the Properties button

- Only one Live source may be present, so you must switch back to the same source when desired
- When adding video sources, ensure that At end is set to Loop or Roll over to first/next source. Do not accept the default setting of Stop, as this will stop the broadcast.

Usage Examples

<table>
<thead>
<tr>
<th>Profile</th>
<th>Purpose(s)</th>
</tr>
</thead>
<tbody>
<tr>
<td>Capture – DVD</td>
<td>• Creates a file to be uploaded (future on-demand viewing)</td>
</tr>
<tr>
<td></td>
<td>• Ideal when higher quality is desired</td>
</tr>
<tr>
<td>Capture – Multi</td>
<td>• Creates a file to be uploaded (future on-demand viewing)</td>
</tr>
<tr>
<td></td>
<td>• Beneficial for home access or sub Gb/s conditions on WAN</td>
</tr>
<tr>
<td>Capture – Long</td>
<td>• Creates a file to be uploaded (future on-demand viewing)</td>
</tr>
<tr>
<td></td>
<td>• Beneficial when source duration will yield an output file greater than 2 GB (approximately 2.5 hours)</td>
</tr>
<tr>
<td>Live – DVD</td>
<td>• Live broadcast to a Digital TV channel</td>
</tr>
<tr>
<td></td>
<td>• Future on-demand viewing (optional)</td>
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</table>

Profile Parameters

<table>
<thead>
<tr>
<th>Desktop Shortcut</th>
<th>Quality</th>
<th>Bitrate(s)</th>
<th>File size (1 hour)</th>
</tr>
</thead>
<tbody>
<tr>
<td>Capture – DVD</td>
<td>DVD</td>
<td>2 Mbps</td>
<td>880 MB</td>
</tr>
<tr>
<td>Capture – Multi</td>
<td>Variable</td>
<td>128, 384 &amp; 1100 Kbps</td>
<td>645 MB</td>
</tr>
<tr>
<td>Capture – Long</td>
<td>VHS</td>
<td>1500 Kbps</td>
<td>545 MB</td>
</tr>
<tr>
<td>Live – DVD</td>
<td>DVD</td>
<td>2 Mbps</td>
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Compared to:

| MPEG-2 | DVD | 5 Mbps | 2.2 GB |

MediaCAST
by Inventive Technology
**Broadcasting**

- Get started:
  - Power up the cart, camera, DVD deck and wireless microphone(s)
  - Double-click one of the Live profiles on the desktop
  - Click the Monitor Source button
  - If necessary, use Input Select button on the remote control to cycle through the inputs
  - Click the Start button

**File Renaming**

- Output:
  - C:\videostorage\livenewvideo.wmv
- A shortcut to the Video Storage folder is on the desktop
- Rename the file:
  - Do not use apostrophes or illegal characters in the new filename. i.e.: ? ! @ # $ % ^ & * + ~ / \.
  - Do not overwrite the file extension (.wmv)

**Tuning In**

- Users can access the broadcast by tuning into a cart's Digital TV channel
  - Users must tune in or refresh **after** broadcast has started
Uploading

- To upload encoded broadcast, login to MediaCAST and click Digital Library > Upload Resource
- Add resource information required in the 4-Step upload wizard
- See Digital Library Management QRC

Getting Help

- Tutorial videos available via the HELP link at top/right.
- Contact your local help desk.
  - They will be aware of local network/power status.
- Contact Technical Support: support@inventivetec.com or 800.474.528 / x3