



MediaCAST
by Inventive Technology

Live Broadcasting

Support: support@inventivetec.com | 800.474.5128x3

Live Broadcasting

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



MediaCAST

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Learning Objectives

Broadcast	→	Live broadcast using the <i>Live</i> profiles
Create Announcements	→	Create Morning Announcement Resource
Upload	→	Add resources to the Digital Library
SportsCAST OnLocation	→	Learn about optional broadcasting add-ons

MediaCAST

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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

Profile	Purpose(s)
Capture – DVD	<ul style="list-style-type: none"> • Creates a file to be uploaded (future on-demand viewing) • Used when higher quality is desired
Capture – Multi	<ul style="list-style-type: none"> • Creates a file to be uploaded (future on-demand viewing) • Beneficial for home access or sub Gb/s conditions on WAN
Capture – Long	<ul style="list-style-type: none"> • Creates a file to be uploaded (future on-demand viewing) • Beneficial when source duration will yield an output file greater than 2 GB (approximately 2.5 hours+)
Live – DVD	<ul style="list-style-type: none"> • Live broadcast to a Digital TV channel • Future on-demand viewing (optional)
Live – Multi	<ul style="list-style-type: none"> • Live broadcast to a Digital TV channel • Future on-demand viewing (optional) • Beneficial for home access or sub Gb/s conditions on WAN

Profile Parameters

Desktop Shortcut	Quality	Bitrate(s)	File size (1 hour)
Capture-DVD	DVD	2 Mbps	880 MB
Capture-Multi	Variable	128, 384 & 1100 Kbps	645 MB
Capture-Long	VHS	1500 Kbps	545 MB
Live-DVD	DVD	2 Mbps	880 MB
Live-Multi	Variable	128, 384 & 1100 Kbps	645 MB

Compared to:

MPEG-2	DVD	5 Mbps	2.2 GB
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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



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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



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