datavideo

A Guide to Presentation Switchers

CAST 10 NDI

CAST mini

Choosing A Presentation Switcher for your Application

If you are giving an online presentation where multiple inputs are being switched, this guide will help you decide which Datavideo presentation switcher is right for your needs. This guide will identify 5 categories to consider:

1. Switchers

2. How many cameras

3. Camera Control

4. Windows & Layouts

5. Streaming, Recording, & Conferencing

Various Applications to use with CAST

Education
- Lecture Capture
- Hybrid Classroom
- Panel Discussions

Corporate
- Hybrid Meetings
- Online Presentations
- Training

Government
- Board Meetings
- City Council
- Public Hearings

House of Worship
- HOW Services
- Funerals
- Online Classes
- Weddings

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5-Channel Hybrid Event Switcher

- A hybrid event switcher designed for classroom, lecture capture, conferencing with all the I/O needed for producing, streaming, recording, and conferencing with Zoom, MS Teams, and other platforms.

- An intuitive touch screen interface with presets for screen layout settings, camera angles, and buttons for activating the stream and recording of your event.

TPC-700PoE

Touch Panel Controller with PoE

2-Channel 4K Presentation Switcher

CAST mini

4K UHD

Auto Tracking Camera On/Off

- A presentation switcher designed for classrooms, video conferences, and corporate training with all the I/O needed to output stunning 4K video to a large display or projector and conferencing applications such as Zoom and MS Teams.

- An intuitive touch screen interface provides one touch control for source switching, picture-in-picture, camera presets, and camera auto tracking.
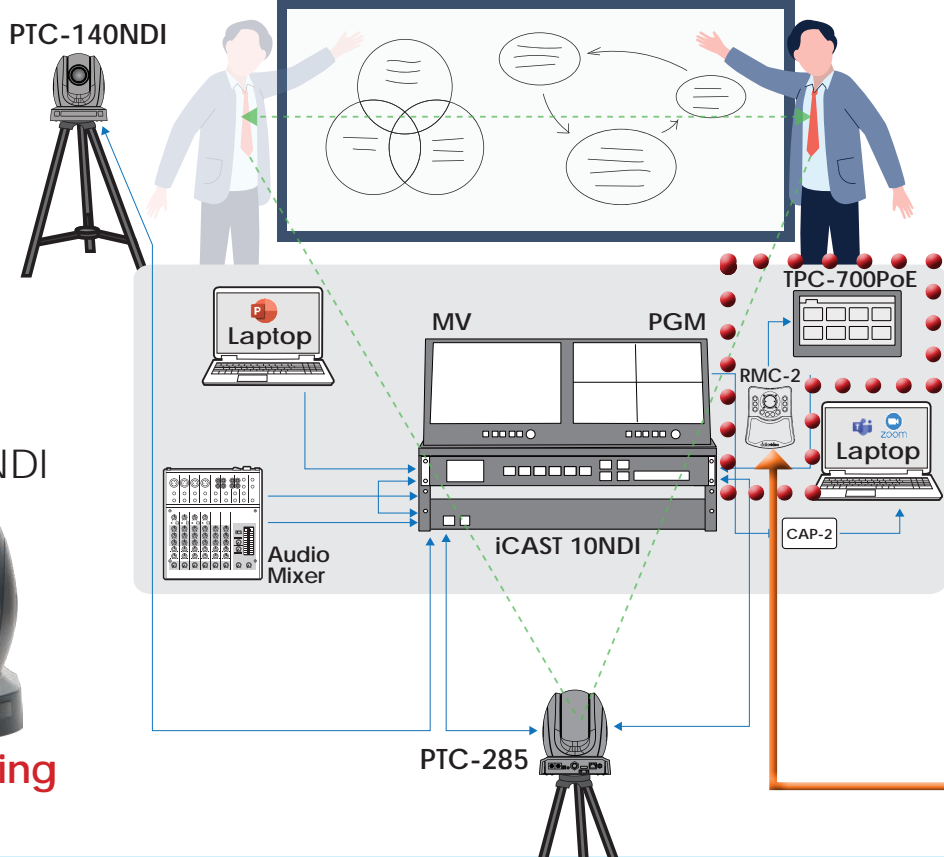
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CAST 10 NDI
Up to 2-4 Cameras

PTC-140NDI

PTC-140/NDI

20x

PTC-305/NDI

PTC-285/NDI

20x

12x

Auto Tracking

Auto Tracking

Laptop

MV

PGM

TPC-700PoE

RMC-2

Laptop

Audio Mixer

iCAST 10NDI

CAP-2

PTC-285

CAST mini
One Camera

PTC-285

Auto Tracking

12x

or

PTC-305

Auto Tracking

20x

Laptop

iCAST Mini

Laptop

Audio Mixer

RMC-2

PoE Managed Switch

PTC-285
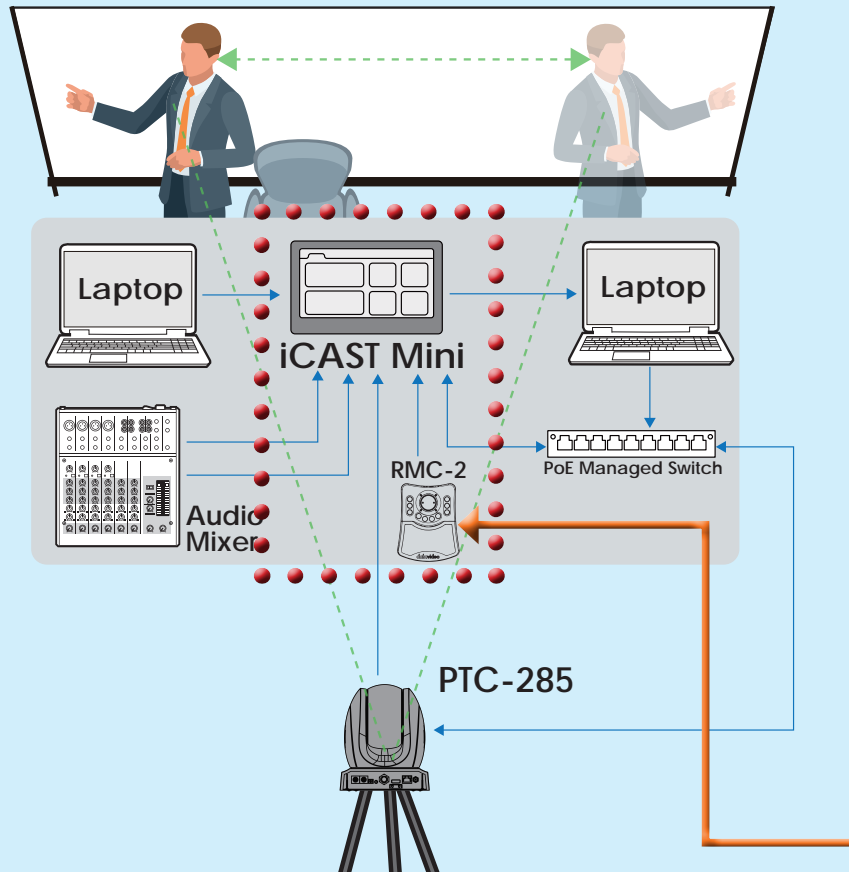
3. Camera Control

Control Up to 4 PTZ Cameras

i CAST 10 NDI

- Control cameras with a physical joystick by plugging in the RMC-2 controller to TPC-700
- Start the auto tracking on up to 4-cameras by selecting the "auto tracking" button on the TPC-700 interface
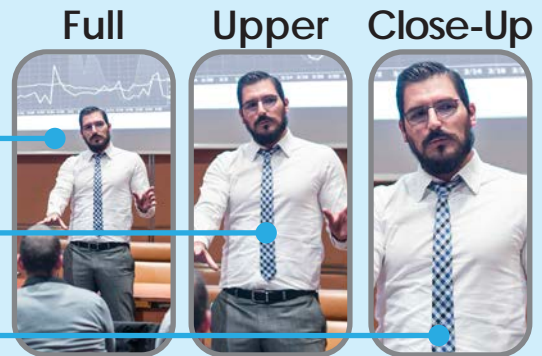- TPC-700 can control other aspects of the camera such as iris, focus, presets, and virtual joystick

TPC-700PoE

RMC-2
3 Camera Controller

USB

AT AUTO TRACKING
Auto Tracking
Camera On/Off

CAM B
ON

CAM C
OFF
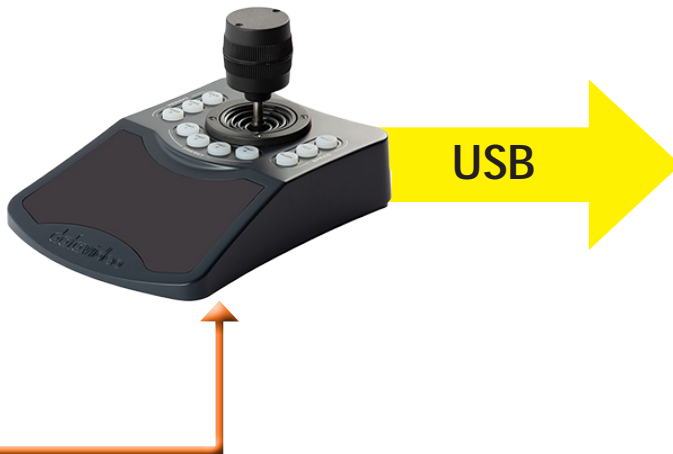
Instantly Switch Camera's Tracking Mode

iCAST mini

4K UHD

Full　　Upper　　Close-Up

- iCast Mini can turn the auto tracking feature on which allows body composition for **full, mid-shot, or close-up**
- RMC-2 camera controller can be connected to iCAST mini to set up preset shots
- Preset shots are represented with thumbnails on the iCAST mini interface

USB

RMC-2

AT AUTO TRACKING
Auto Tracking
Camera On/Off

CAM
ON

CAM
OFF

i CAST mini

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CAST 10 NDI

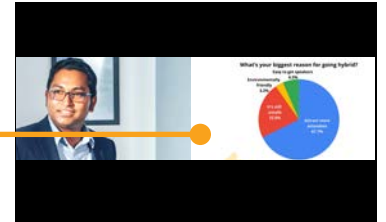## Instantly Switch from
Camera to Presentation Software

- The presenter can select various layouts from TPC-700 including PIP, side-by-side, quad view and Picture out of Picture
- With TPC-700 you can change which video source is represented in the various window configurations
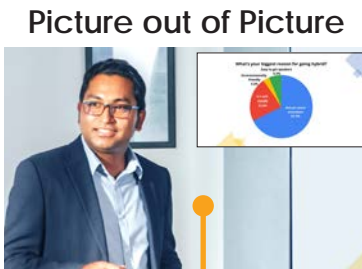- Custom PIP can be easily sized and positioned with TPC-700

Quad View

**TPC-700PoE**

Side by Side

Picture out of Picture
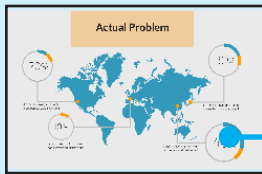
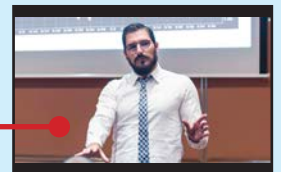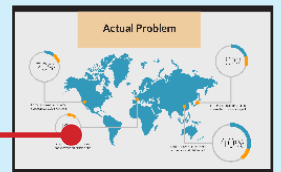**Picture out of Picture**

CAST mini

Instantly Switch Layout

- iCast mini allows you to switch between video camera source and laptop input (presentation program)
- Select PIP options with with one-touch interface
- Presets are easily accessible and visible with the thumbnail representation of the camera position.

iCAST mini

4K UHD
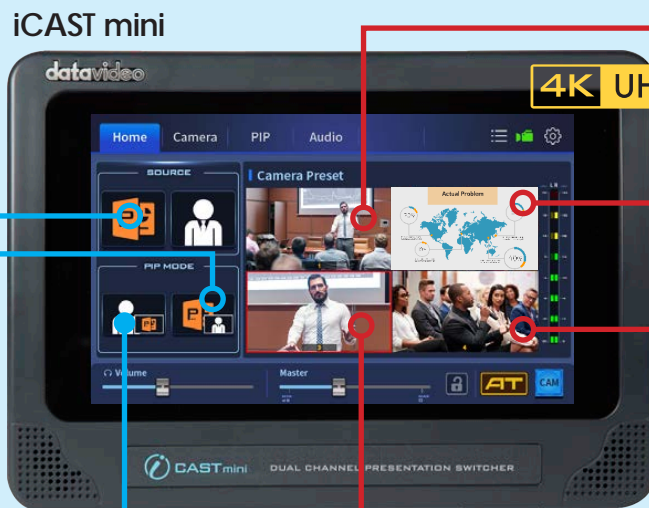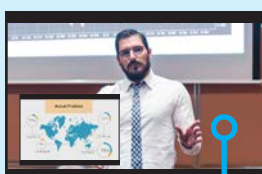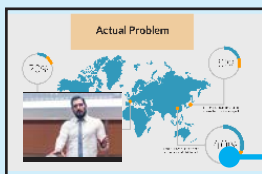
Video & PIP MODE

Presets

REC

Easily Record & Stream Mulitple Channels

CAST 10 NDI

- A backlit LED button will light up indicating streaming and recording status.
- A red indicator means that the video is being recorded and a green indicator appears when the record function enters standby mode.
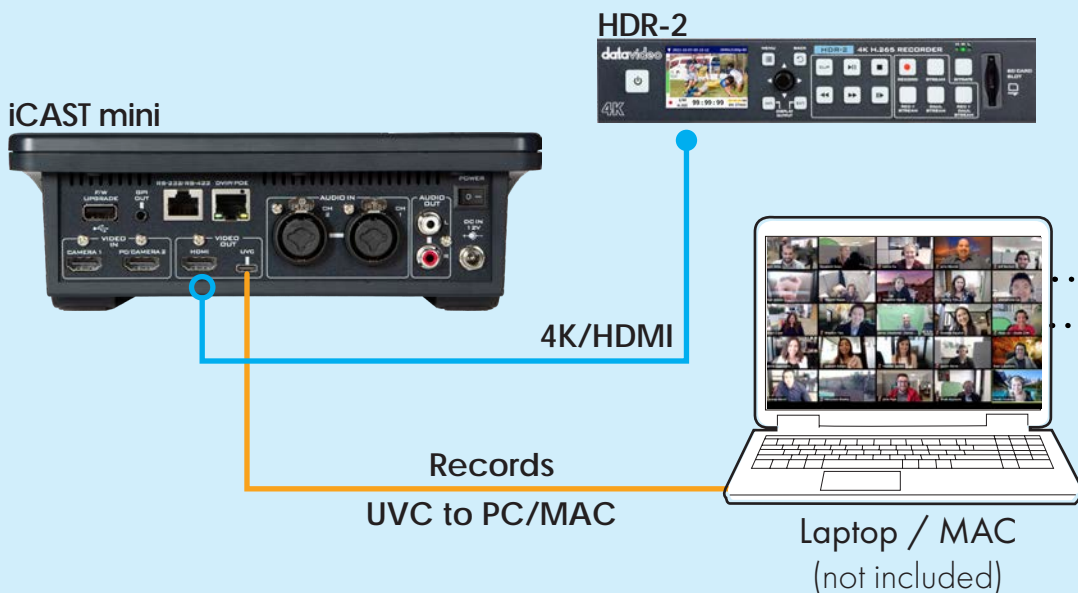
TPC-700PoE

REC
STREAM

iCast 10NDI

&

Stream & Record

Stream | Record

SSD Drive Recorder
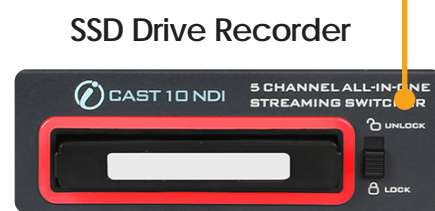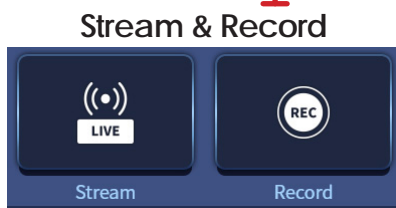
Easily Record Meetings
Online Presentations

CAST mini

An easy-to-use touch panel interface allows the presenter to switch between cameras, presentation slides, and multiple layouts; as well as control the cameras and adjust audio levels.

HDR-2

iCAST mini

4K/HDMI

zoom

or

Records

UVC to PC/MAC

Laptop / MAC
(not included)