

# iCAST 10NDI

Hybrid Event Switcher

datavideo

## Features



- Built-in streaming & recording with optional conference integration.
- Built-in PTZ camera control with presets.
- 1-SDI, 4-HDMI and UVC camera input.
- 2" LCD displays settings and access for quick adjustments.
- NDI, RTMP, SRT Protocol Support
- TPC-700 Easy touch panel operation.

## Overview

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.

## Recommended Accessories

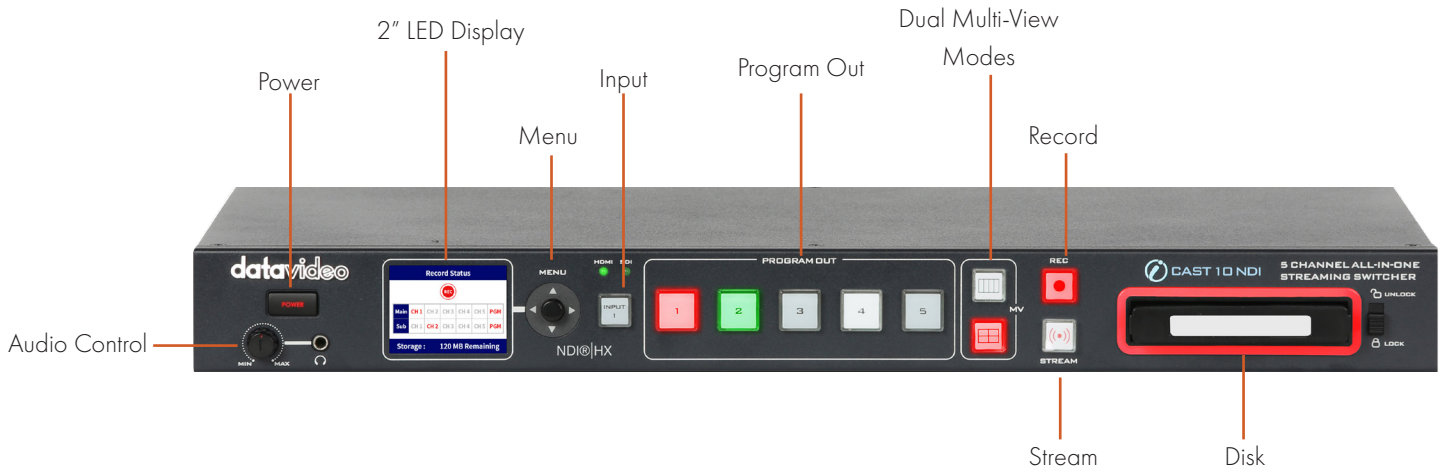
Datavideo:

- **PTC-140NDI** NDI PTZ Camera
- **PTC-140** HD PTZ Camera
- **PTC-280** 12x 4K PTZ Camera
- **TPC-700** Controller
- **CAP-2** Capture Device

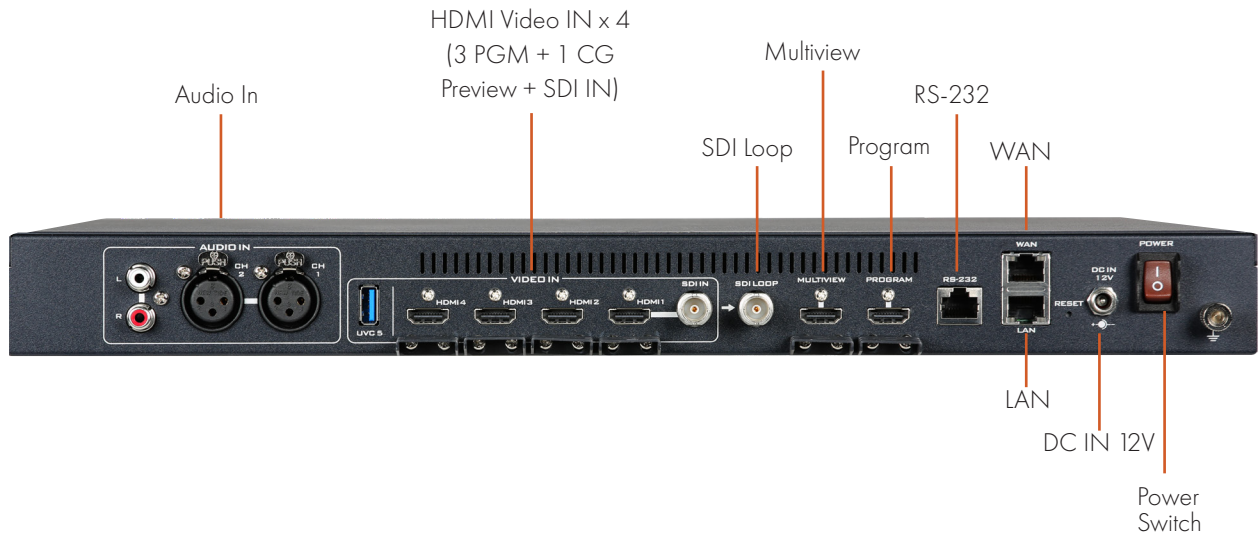
# iCAST 10NDI

Hybrid Event Switcher

## iCAST 10NDI Front Panel



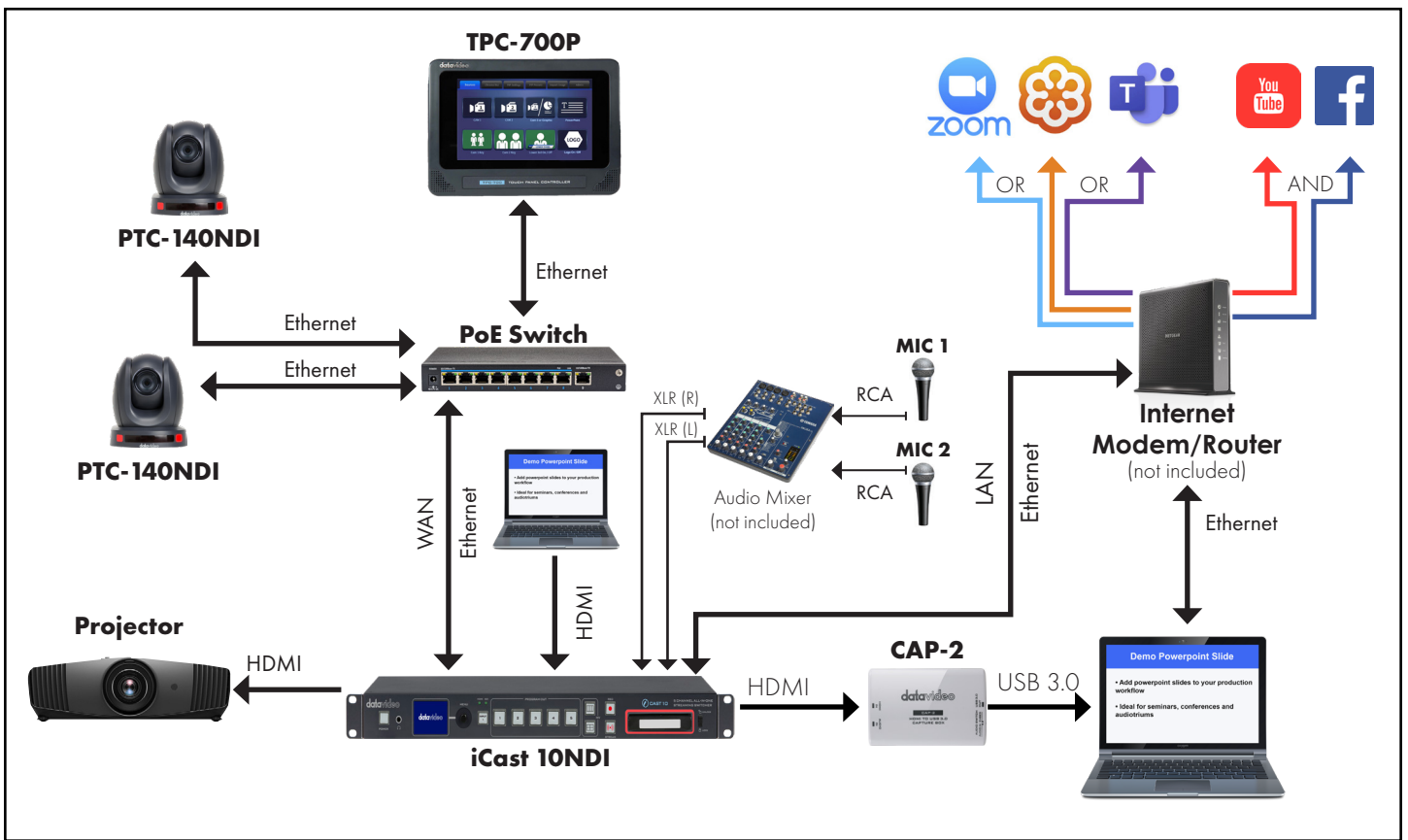
## iCAST 10NDI Rear Panel



# iCAST 10NDI

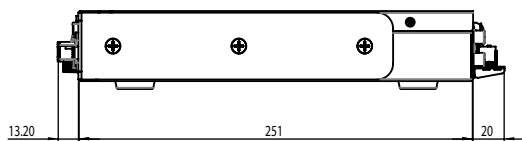
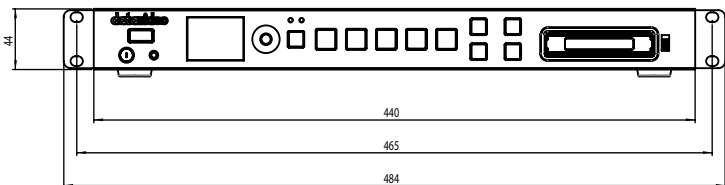
Hybrid Event Switcher

## Workflow



## Dimensions

All measurements in millimeters (mm)



## Specifications

Model Name	iCAST 10NDI
<b>Product Name</b>	Hybrid Event Switcher
<b>Video Standard</b>	HD & SD
<b>Video Format</b>	Input: 1080p60/59.94/50, 1080p30/29.97/25/24/23.98 1080i60/59.94/50 720p60/59.94/50 480i59.94, 576i50 Output: 1080p60/59.94/50 1080p60/59.94/50 1080p30/29.97/25/24/23.98 1080p30/29.97/25/24/23.98 1080i60/59.94/50 1080p30/29.97/25 720p60/59.94/50 720p60/59.94/50 480i59.94, 576i50 480p29.97, 576p25 (not supporting interlace)
<b>Input Routable / Crosspoint</b>	N/A
<b>Video Input</b>	3G/HD/SD-SDI x1 (BNC 75 ohm) HDMI 1.4 x4 (Channel 1 as SDI/HDMI selectable) USB 3.0 x1
<b>Mix HD &amp; SD Source</b>	Yes
<b>Computer Graphic Interface</b>	4 via HDMI
<b>Video Output</b>	3G/HD/SD-SDI loop-through x1 HDMI 1.4 x1 (PGM) HDMI 1.4 x1 (Multiview) RJ-45 female x2 (10/100/1000M Ethernet) (LAN & WAN)
<b>Down-converted Output</b>	1080p output
<b>Built-in Multi-view Monitoring Out</b>	HDMI x1
<b>Analogue Audio Input</b>	XLR Balanced audio x2 RCA Unbalanced audio x 1 pair SDI embedded audio HDMI embedded audio IP Audio (RTSP AAC-ADTS, PCM) (External and embedded audio mixable)
<b>Analogue Audio Output</b>	3.5mm x1 (headphone, PGM audio monitoring)
<b>Audio Delay Calibration</b>	Each channel delay time: 0-3000ms
<b>Chromakey</b>	N/A
<b>Title Creator</b>	Web GUI
<b>USK</b>	N/A
<b>DSK</b>	N/A

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<b>Picture in Picture</b>	Yes (PGM)
<b>Logo Insertion</b>	Yes
<b>Still Store</b>	N/A
<b>Effects</b>	Cut
<b>Transition Preview</b>	N/A
<b>Sync / Reference In/Out</b>	N/A
<b>Tally Output</b>	N/A
<b>PC Remote Control</b>	Web UI for system configuration and control Serial Port Control: RS-232 (RJ-45)
<b>Camera Control</b>	N/A
<b>Built-in Audio Mixer</b>	Yes
<b>Storage</b>	SATA (6Gb/s)
<b>Recording File System</b>	FAT, NTFS, exFAT
<b>Recording File Format</b>	MP4
<b>Video Encode</b>	H.264
<b>Audio Encode</b>	AAC-LC Sample rate: 48KHz, 16bit AAC-LC Sample rate: 48KHz, 16bit Configurable bit rate: 128K or 256K or 384K
<b>Streaming Protocol</b>	I DHCP client I TS over UDP (unicast & multicast) I RTSP over HTTP/TCP/UDP I RTMP (Publish)/RTMPS I HLS I SRT Caller and Listener I Web RTC (encode/decode) I NDI   Hx
<b>Firmware Update</b>	Web UI (network)
<b>Special Features</b>	Vertical video: crop or rotate Vertical video Multiview
<b>Chassis</b>	1RU rack-mount mainframe
<b>Weight</b>	2.9 kg
<b>Power</b>	DC 12V 24W
<b>Operating Temp. Range</b>	0~40 °C
<b>Dimension (LxWxH)</b>	440 x 284 x 44mm

# iCAST 10NDI

## Hybrid Event Switcher

### What's in the Box

- 1 x iCAST 10NDI
- 1 x AD Switch DC 12V with AC Cord

### Applications

- Live Event Meetings
- Tradeshows
- Townhall Meetings
- Government Events
- Worship Services
- Musical Performances
- Lectures

### Available Documents to Download

1. Datasheet
2. Instruction Manual
3. Cutsheet



For more info, visit [www.datavideo.com/product/icast 10ndi](http://www.datavideo.com/product/icast-10ndi)



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