iCAST 10NDI

Hybrid Event Switcher

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

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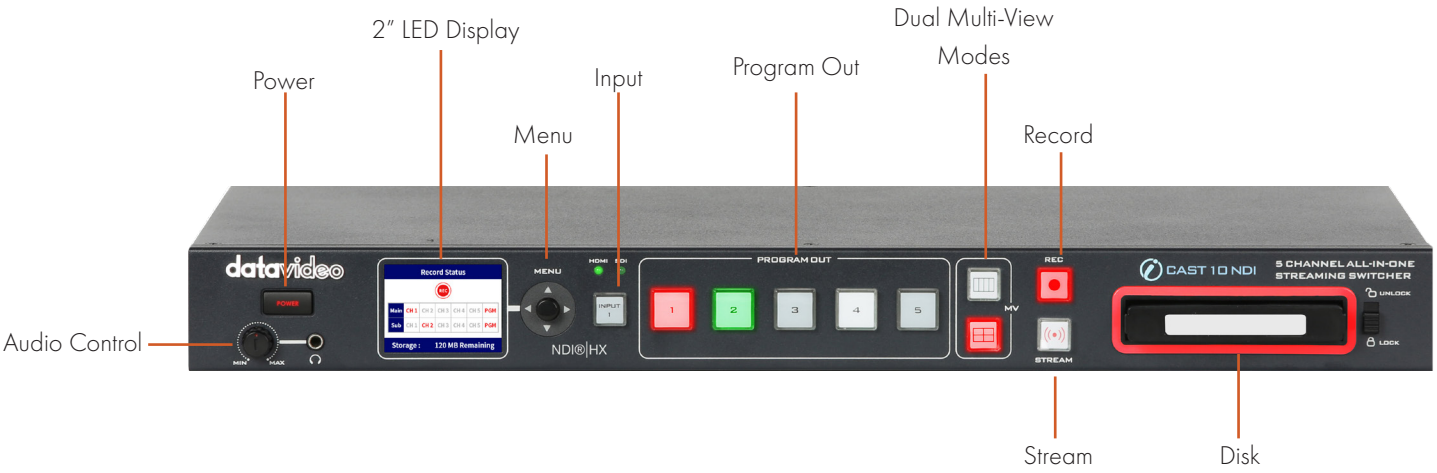
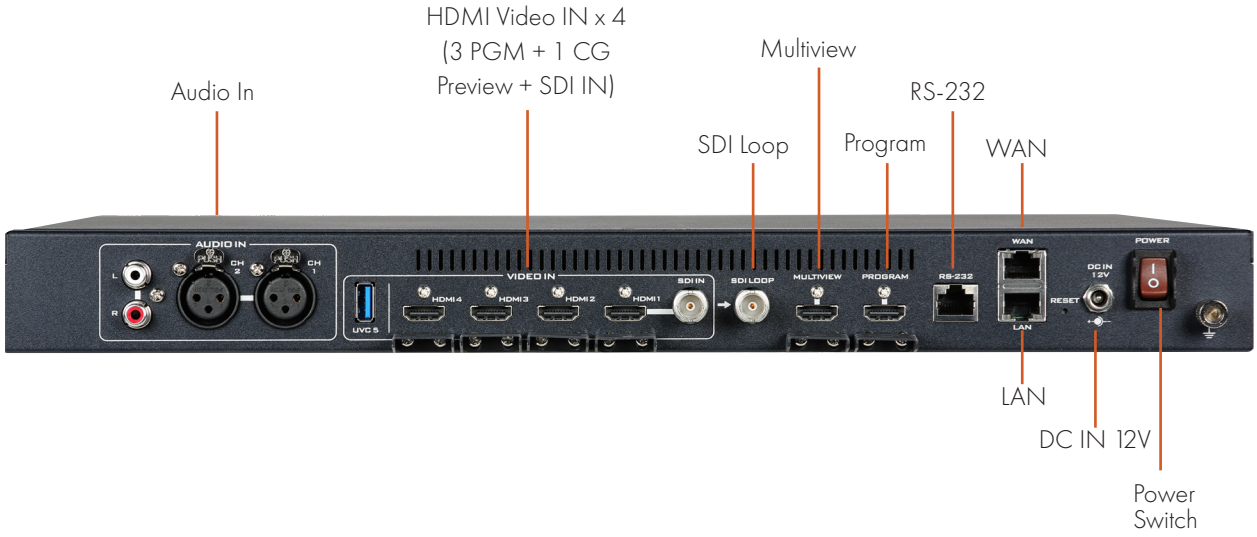
iCAST 10NDI Front Panel



iCAST 10NDI Rear Panel



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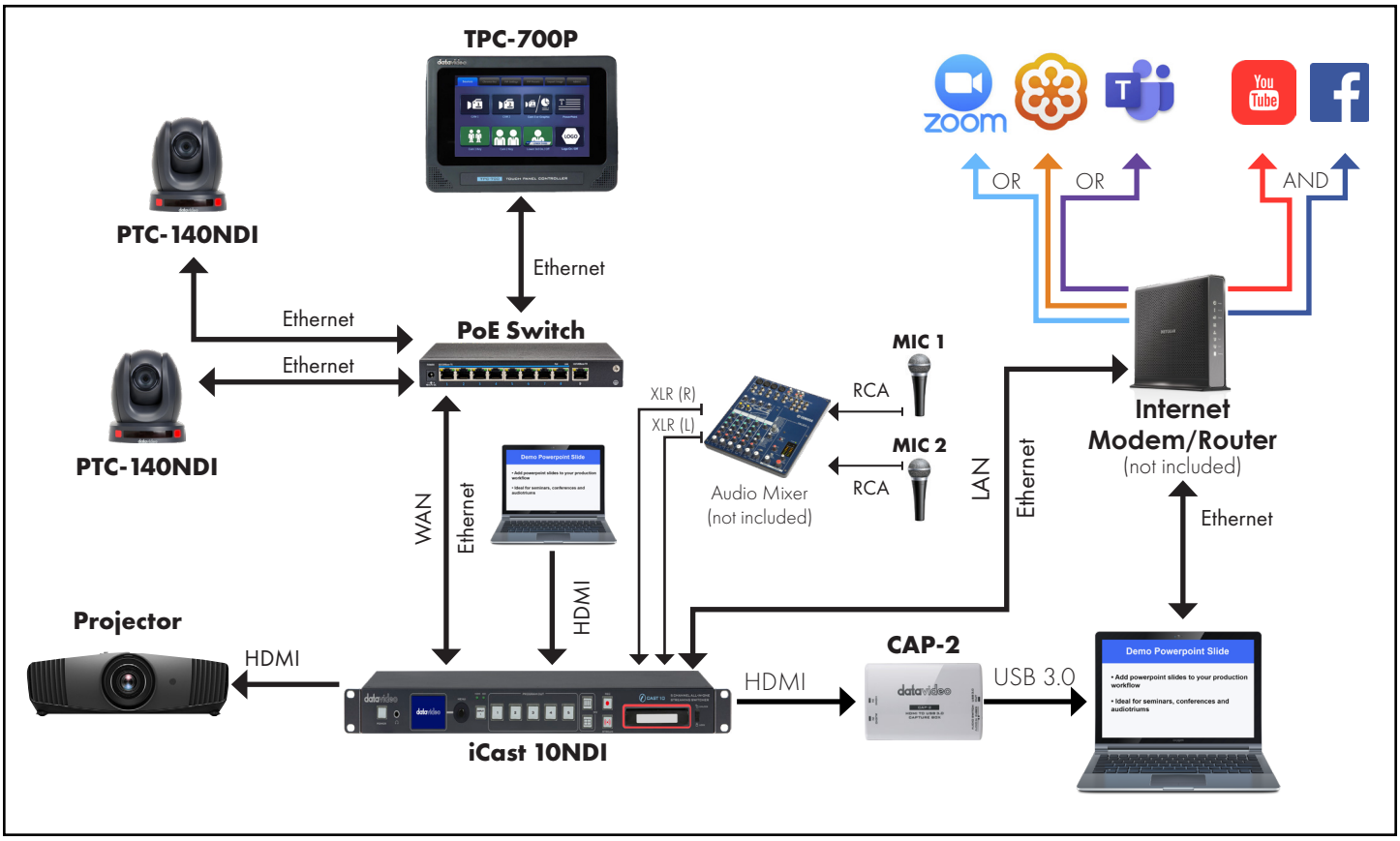
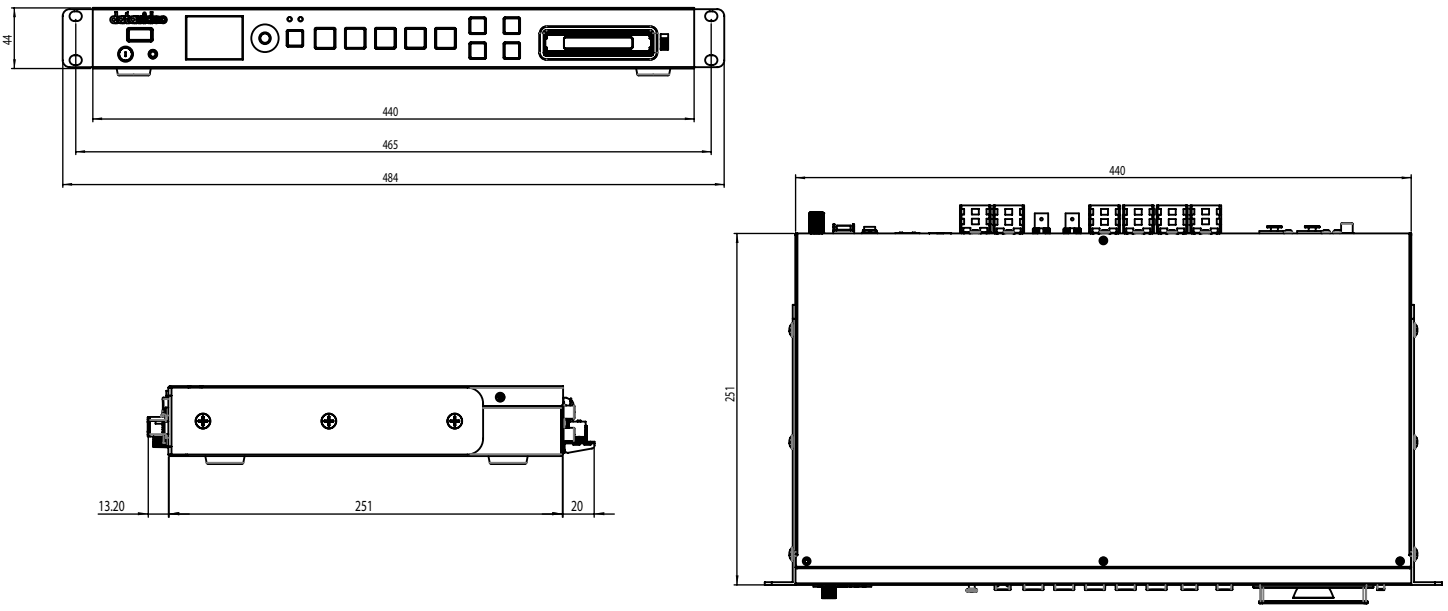
Workflow



Dimensions

All measurements in millimeters (mm)



Specifications

Model Name	iCAST 10NDI
Product Name	Hybrid Event Switcher
Video Standard	HD & SD
Video Format	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)
Input Routable / Crosspoint	N/A
Video Input	3G/HD/SD-SDI x1 (BNC 75 ohm) HDMI 1.4 x4 (Channel 1 as SDI/HDMI selectable) USB 3.0 x1
Mix HD & SD Source	Yes
Computer Graphic Interface	4 via HDMI
Video Output	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)
Down-converted Output	1080p output
Built-in Multi-view Monitoring Out	HDMI x1
Analogue Audio Input	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)
Analogue Audio Output	3.5mm x1 (headphone, PGM audio monitoring)
Audio Delay Calibration	Each channel delay time: 0-3000ms
Chromakey	N/A
Title Creator	Web GUI
USK	N/A
DSK	N/A

Specifications

Model Name	iCAST 10NDI
Product Name	Hybrid Event Switcher
Picture in Picture	Yes (PGM)
Logo Insertion	Yes
Still Store	N/A
Effects	Cut
Transition Preview	N/A
Sync / Reference In/Out	N/A
Tally Output	N/A
PC Remote Control	Web UI for system configuration and control Serial Port Control: RS-232 (RJ-45)
Camera Control	N/A
Built-in Audio Mixer	Yes
Storage	SATA (6Gb/s)
Recording File System	FAT, NTFS, exFAT
Recording File Format	MP4
Video Encode	H.264
Audio Encode	AAC-LC Sample rate: 48KHz, 16bit AAC-LC Sample rate: 48KHz, 16bit Configurable bit rate: 128K or 256K or 384K
Streaming Protocol	l DHCP client l TS over UDP (unicast & multicast) l RTSP over HTTP/TCP/UDP l RTMP (Publish)/RTMPS l HLS l SRT Caller and Listener l Web RTC (encode/decode) l NDI | Hx
Firmware Update	Web UI (network)
Special Features	Vertical video: crop or rotate Vertical video Multiview
Chassis	1RU rack-mount mainframe
Weight	2.9 kg
Power	DC 12V 24W
Operating Temp. Range	0~40 °C
Dimension (LxWxH)	440 x 284 x 44mm

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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

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For more info, visit www.datavideo.com/product/icast 10ndi

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