

# datavideo



## Automated Voice Tracking Solutions

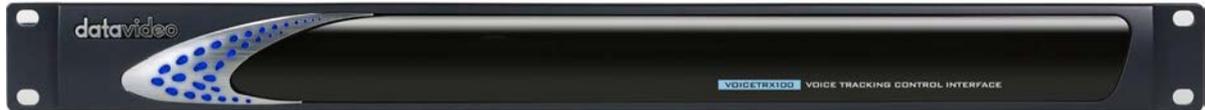


# 2025



# Voice Tracking Control

## **NEW** VoiceTRX100



The VoiceTRX100 is a voice-activated multi-camera switching and camera movement solution that provides an automated production for conferences, meetings, town halls, podcasts, and classrooms. Camera switching and movement is done automatically based on the location of the active speaking participant. The VoiceTRX100 supports microphones from Shure, Sennheiser, Allen & Heath, and Audio-Technica.

# Market Analysis Diagrams

Editable PowerPoint Charts & Icons



# VoiceTRX100 Features & Benefits

What makes our solution unique

## Benefits:

- Creates engaging online experience with close-up shots of active speakers.
  - Fully automates switching and camera movements without operator.
  - Easy to configure and deploy without complicated programming or commissioning.
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## Features:

- Provides clean switching with no camera movement on the output.
- Easy to configure and program using simple mode programming. Also provides advanced mode programming with boolean logic for more advanced room configurations.
- Advanced windowing such as side-by-side, picture-in-picture, and picture-out-picture shows active speaker and presentation materials at the same time.
- Character generator (CG) function identifies active speakers in the room for far end experience and recording purposes. (iCAST 10NDI MK II only)
- Supports a variety of popular conferencing microphones processors and ceiling arrays from Audio Technica, Shure, Sennheiser, and Allen & Heath.

# Live Positional Data from Microphone Systems



**SHURE**



**SENNHEISER**



**audio-technica**



**ALLEN & HEATH**

**VoiceTRX100**  
  
**Voice Tracking Control Device**

**Ethernet Switch**



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**CONTROL  
COMMANDS**

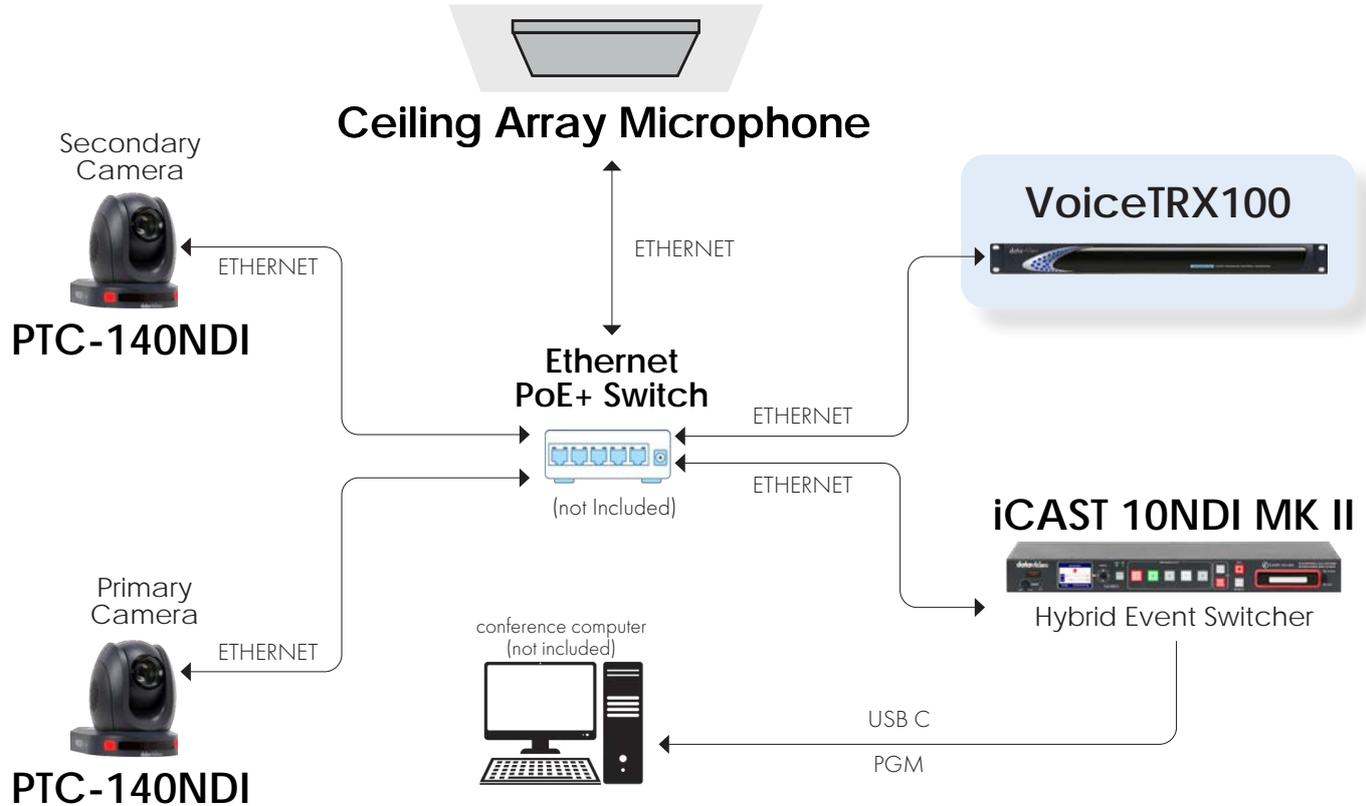
**KMU-100+**  
  
4K Multicamera Processor

**Datavideo PTZ Camera**  
  
4K PTZ Auto Tracking Cameras

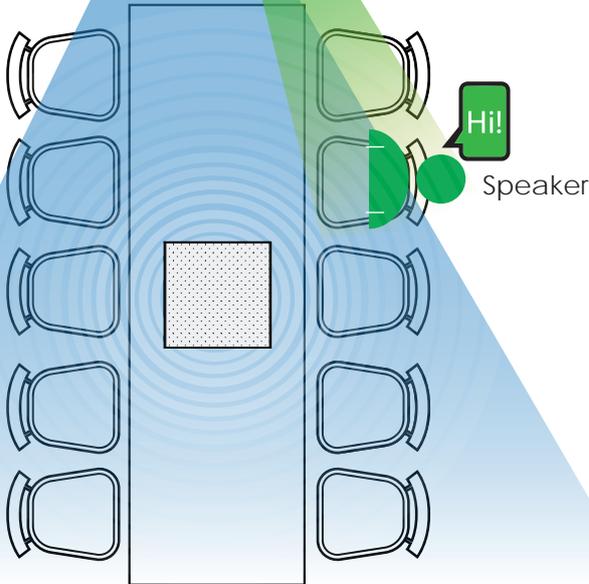
**iCAST 10NDI MK II**  
  
Hybrid Events Switcher

**Production Switcher**  
  
SE-2600MU, SE-3200MU  
& SE-4000MU

# Medium Conference



Primary Camera      Secondary Camera



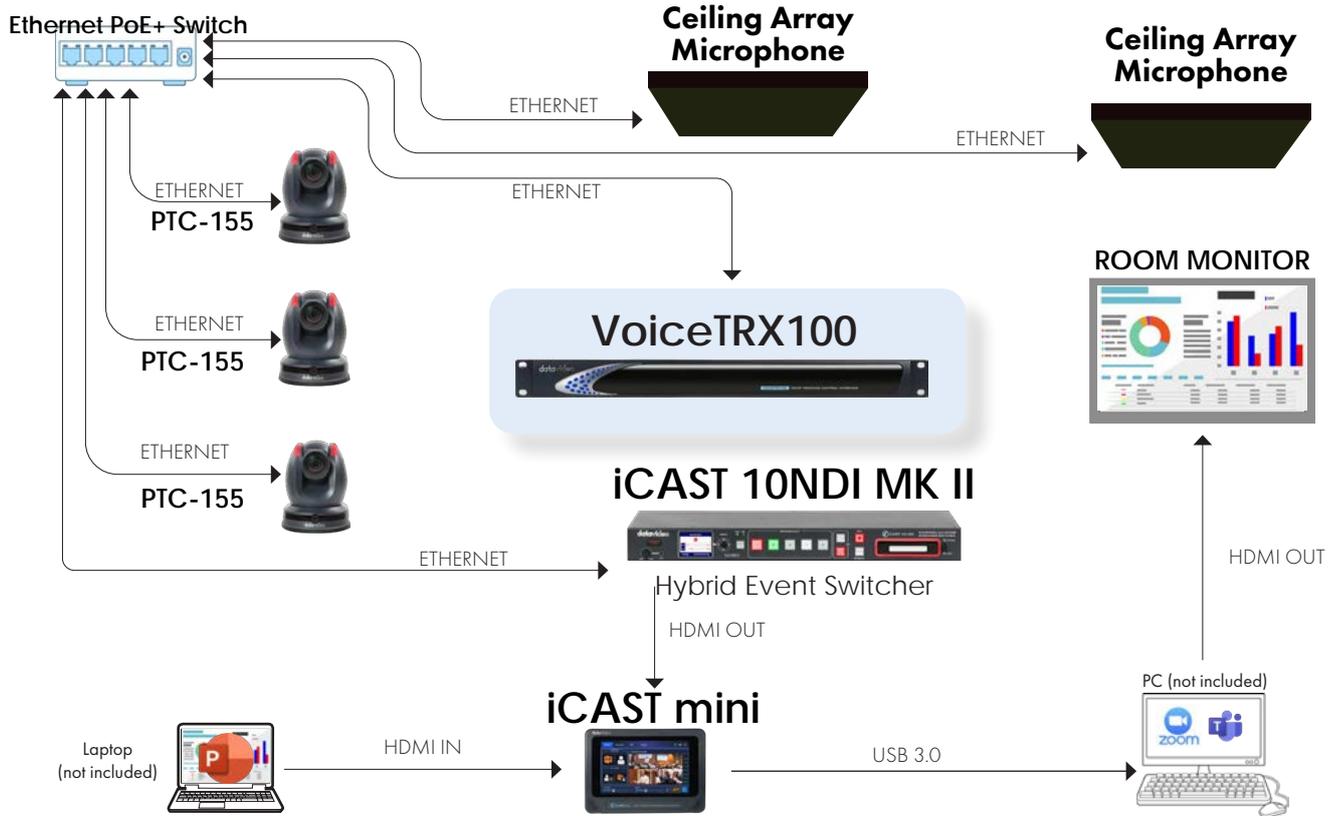
### Datavideo products included in the workflow:

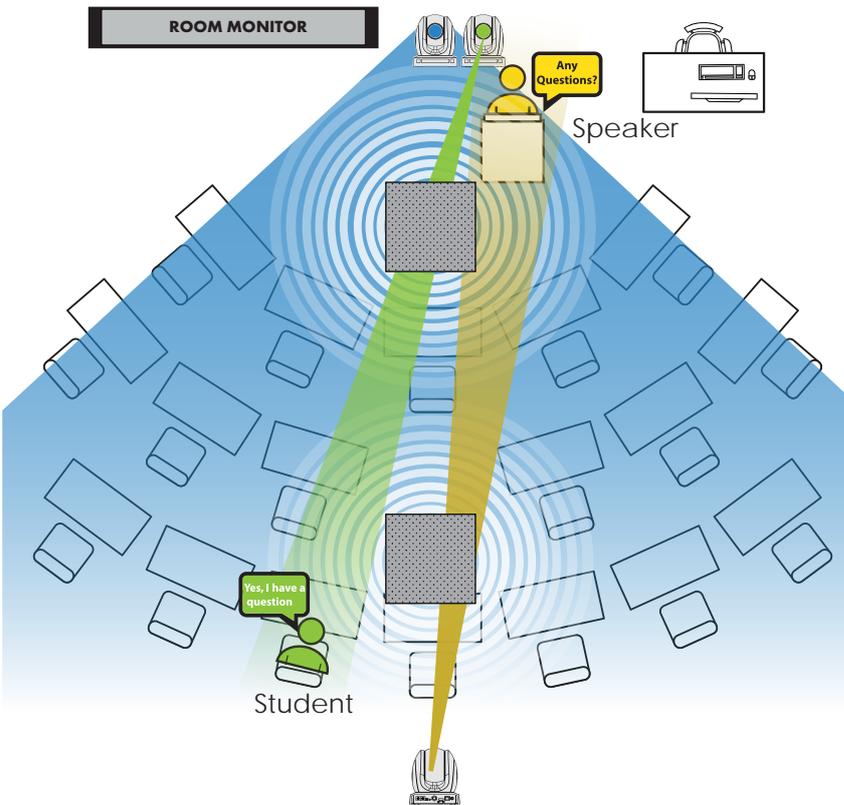
- **VoiceTRX100**  
Voice Tracking Control Interface
- **PTC-140NDI**  
(2) 20x PTZ NDI Camera
- **iCAST 10NDI MK II**  
Hybrid Event Switcher

SCAN QR CODE FOR GIF EXAMPLE



# Classroom with Auto Tracking





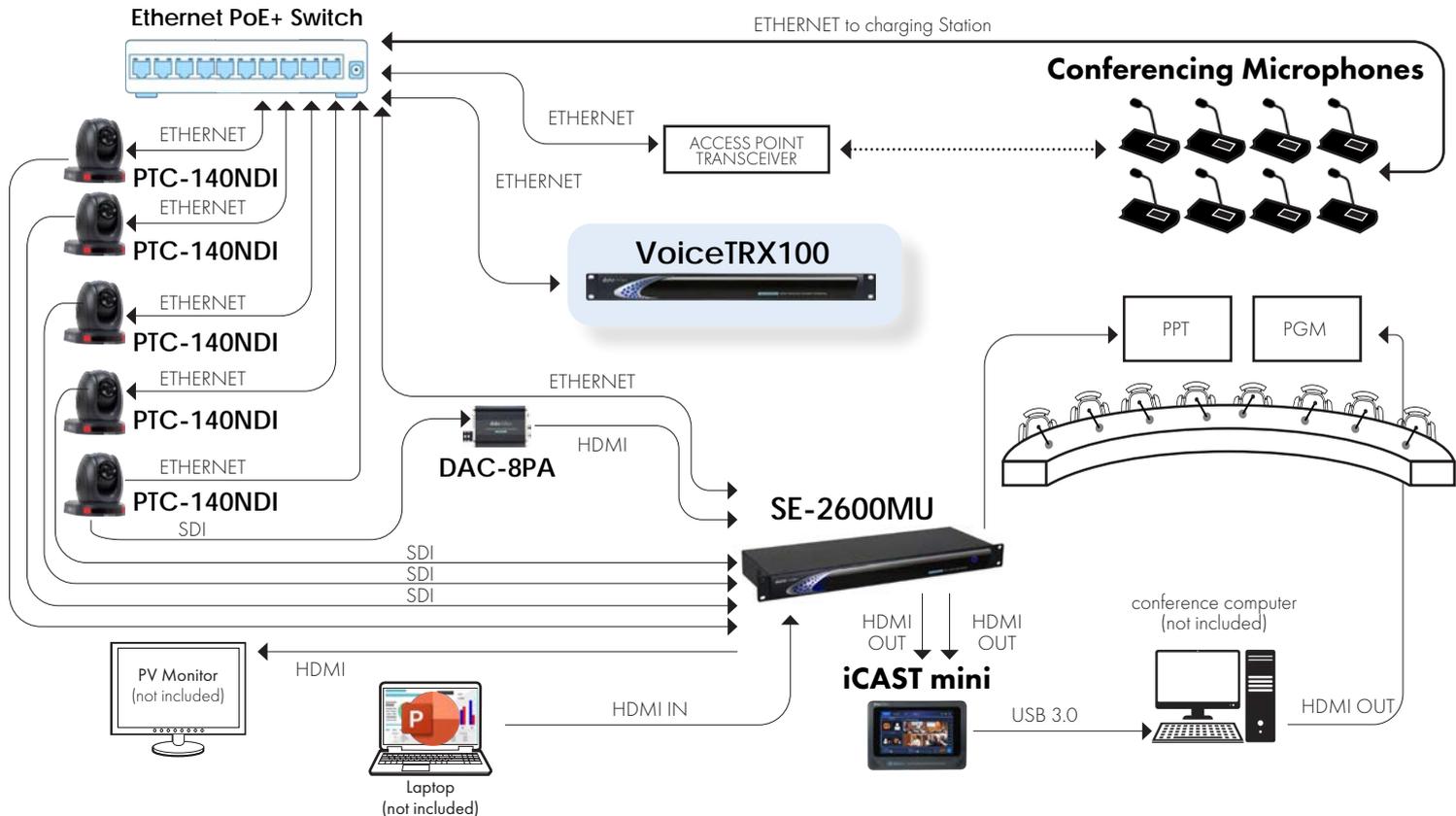
### Datavideo products included in the workflow:

- **VoiceTRX100**  
Voice Tracking Control Interface
- **PTC-155**  
(3) 30x HD Tracking PTZ Camera
- **iCAST 10NDI MK II**  
Hybrid Event Switcher
- **iCAST mini**  
Presentation Switcher

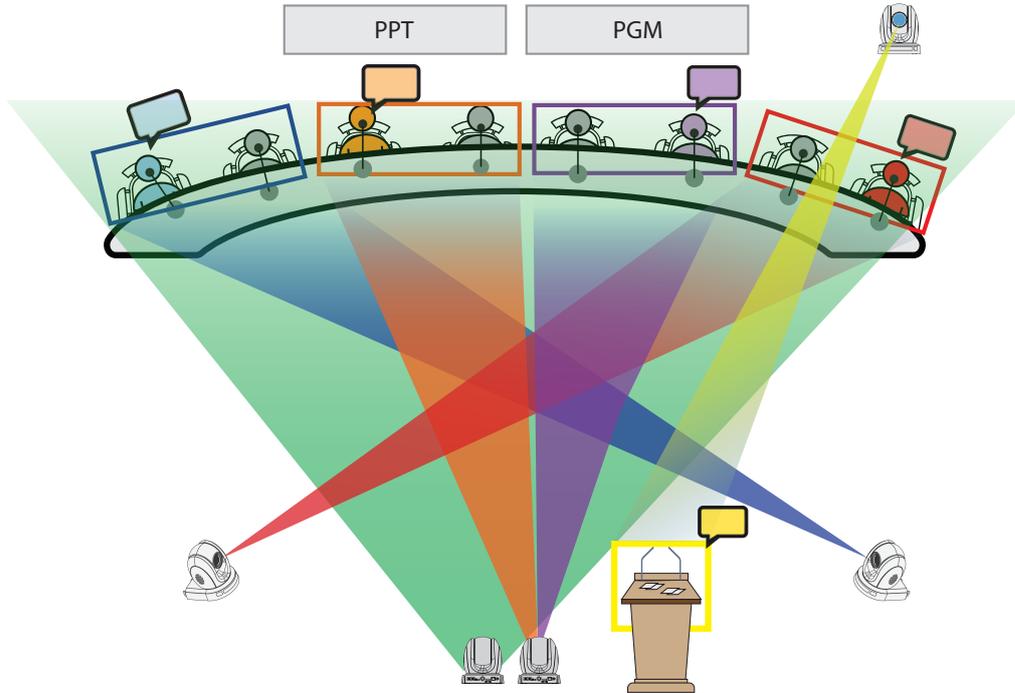
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# Government / Panel Discussion



## Panel with Conferencing Microphones



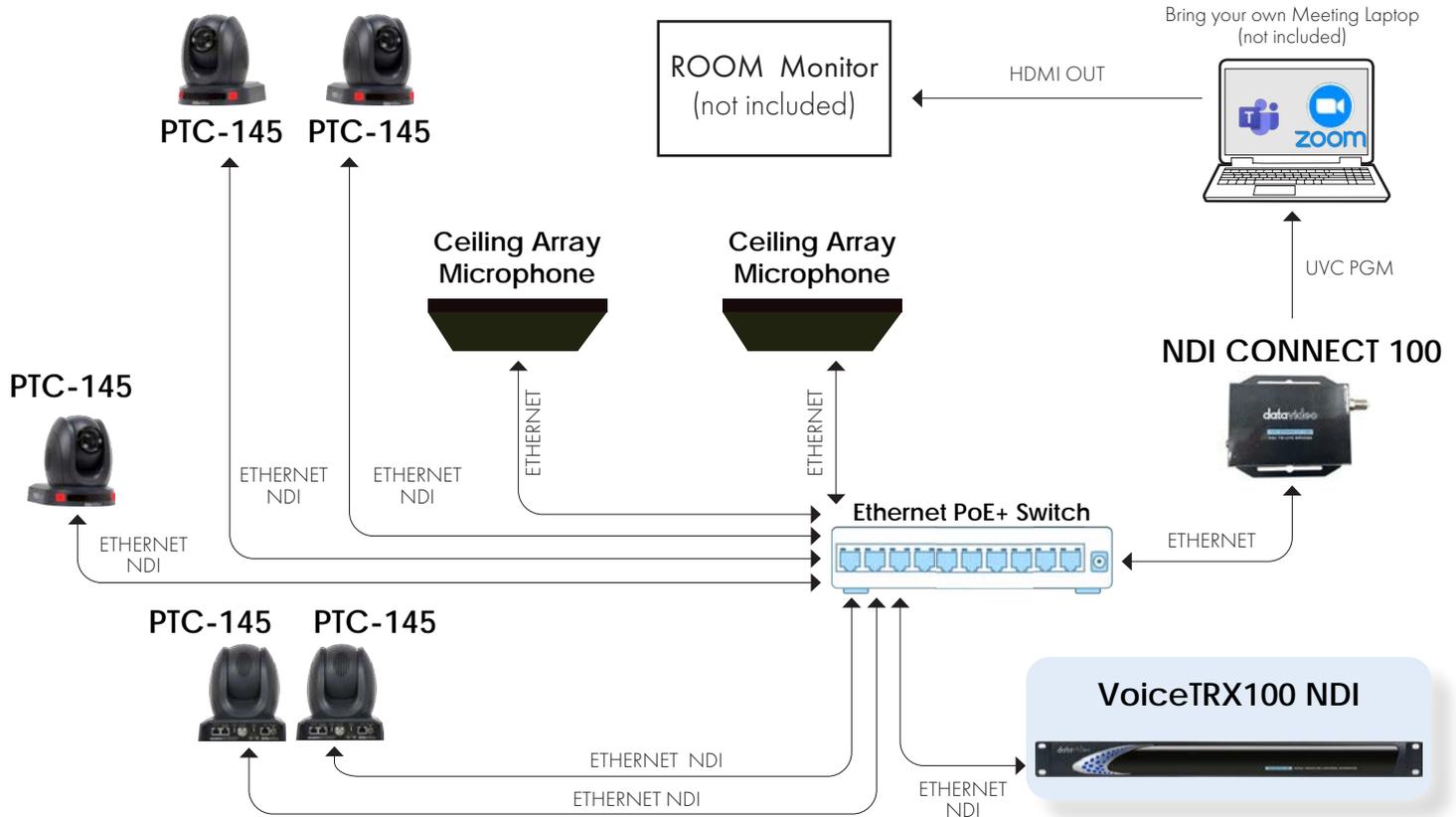
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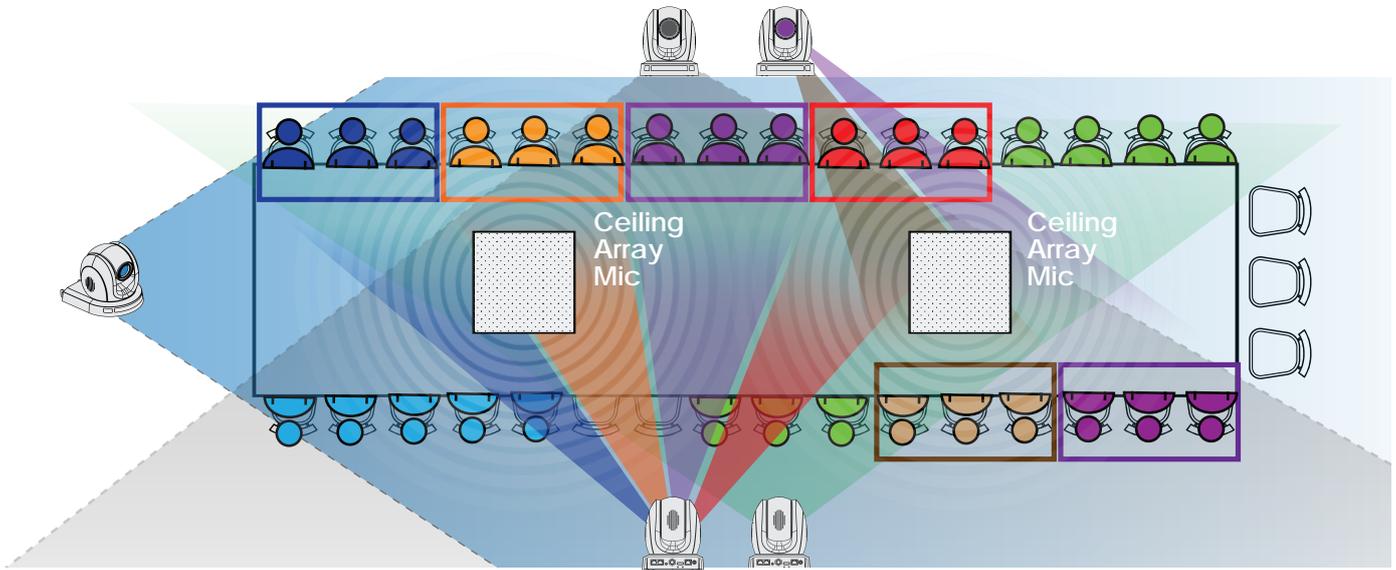


Datavideo products included in the workflow:

- **VoiceTRX100**  
Voice Tracking Control Interface
- **PTC-140NDI**  
(5) 20x PTZ Camera
- **SE-2600MU**  
Production Switcher
- **iCAST mini**  
Presentation Switcher
- **DAC-8PA**  
SDI to HDMI Converter

# Large NDI Conference





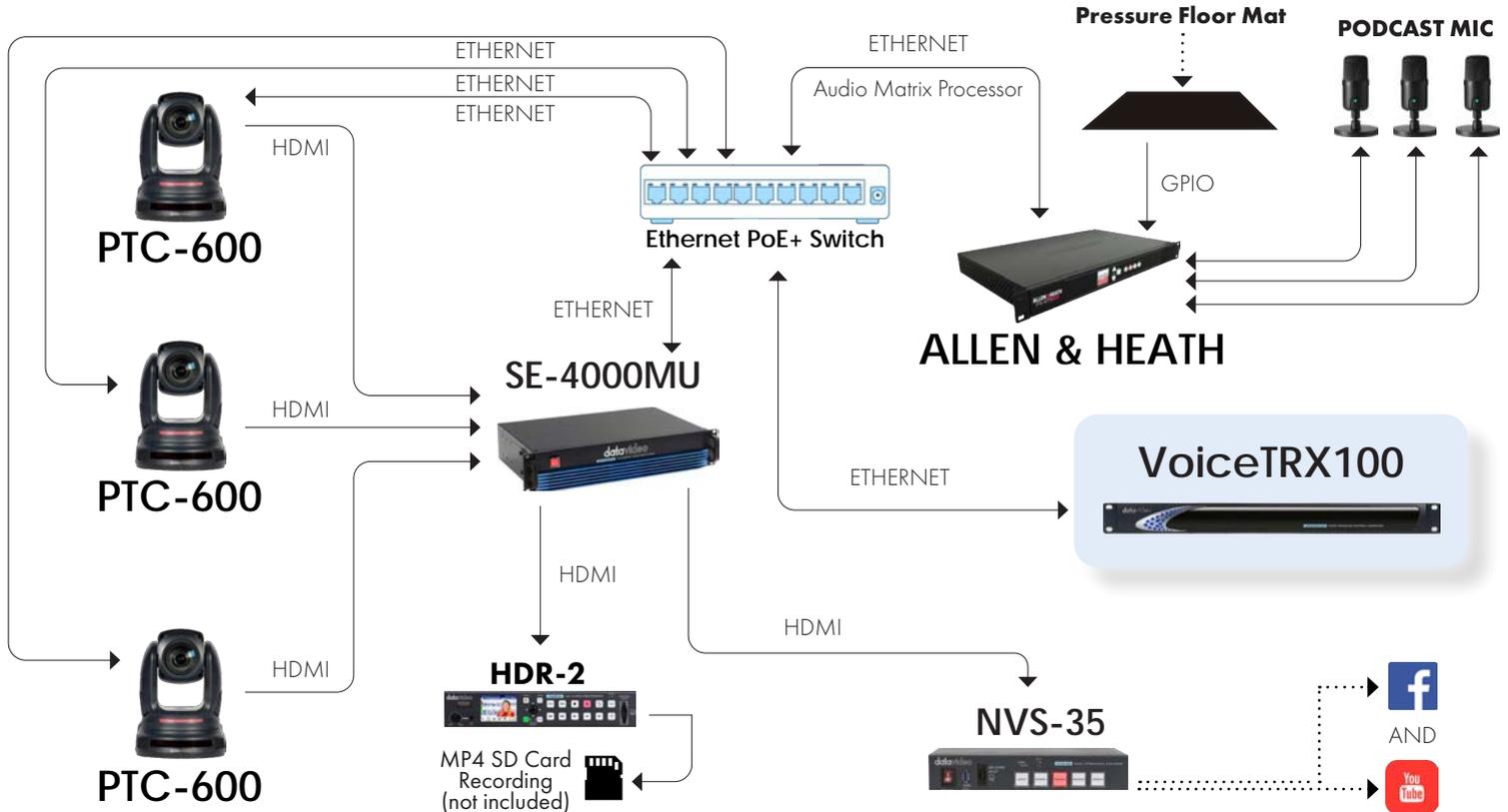
### Datavideo products included in the workflow:

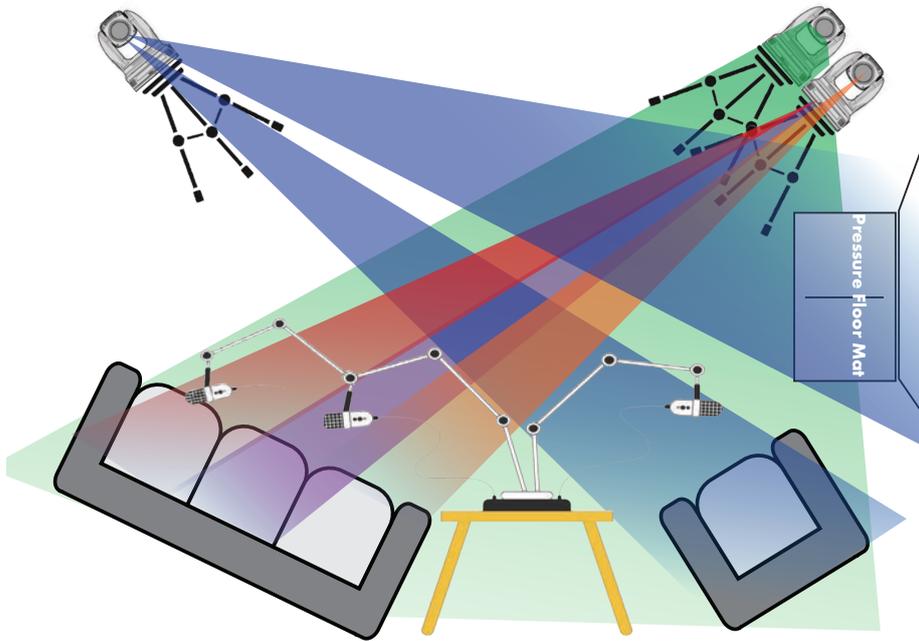
- **VoiceTRX100 NDI**  
Voice Tracking Control Interface
- **PTC-145**  
(5) 20x HD Tracking PTZ Camera
- **NDI CONNECT 100**  
NDI to UVC Bridge

SCAN QR CODE FOR GIF EXAMPLE



# Podcast





## Datavideo products included in the workflow:

- **VoiceTRX100**  
Voice Tracking Control Interface
- **PTC-600**  
(3) 4K 30x Tracking PTZ Camera
- **SE-4000MU**  
4K 8-Channel Digital Video Switcher
- **NVS-35**  
H.264 Dual Streaming Encoder
- **HDR-2**  
4K Digital Recorder

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# Huddle Room

VTC-100



ETHERNET

PoE Switch



(not included)

DSP

CAT6



OR

HDMI

iCAST MINI



DVIP

CAT6 PoE



Huddle Computer

Table Microphone  
(not included)

CAT6 PoE

DANTE

USB-C

airplay

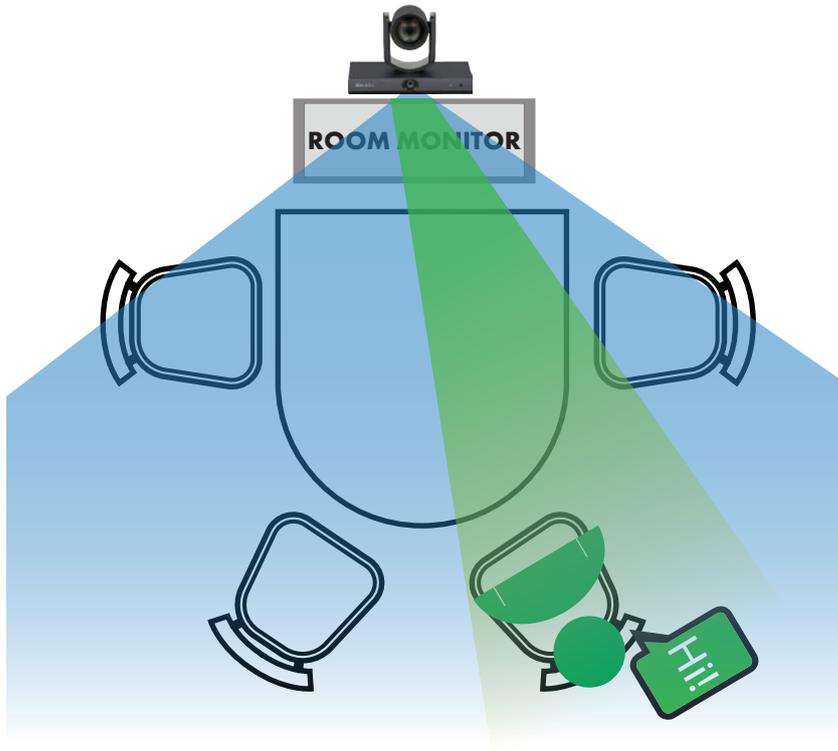
HDMI



Laptop with PowerPoint  
(not included)

WALL MONITOR

Displays those online



**Datavideo products included  
in the workflow:**

- **VTC-100**  
Dual Lens Voice Tracking PTZ Camera
- **iCAST mini**  
Presentation Switcher

SCAN QR CODE FOR GIF EXAMPLE



# Recommended PTZ Cameras

## Datavideo's HD & 4K PTZ Cameras

The VoiceTRX100 supports Datavideo's vast range of professional video switchers and cameras. Optical zoom is preferred over digital because it uses the lens to magnify the subject you're shooting whereas, digital zoom crops the image instead of using a lens to magnify the subject. All cameras feature PoE+ & up to NDI HX3.

### VTC-100



#### Dual Lens Voice Tracking PTZ Camera

- 12x Optical Zoom
- Video Resolution up to 1080p

### PTC-600



#### 4K 30x Tracking PTZ Camera

- 30x Optical Zoom
- Video Resolution up to 4K60p
- PoE++

### PTC-140NDI



#### HD PTZ Camera

- 20x Optical Zoom
- Video Resolution up to 1080p

### PTC-145



#### HD Auto Tracking PTZ Camera

- 20x Optical Zoom
- Video Resolution up to 1080p

### PTC-155



#### Dual Lens Auto Tracking PTZ Camera

- 30x Optical Zoom
- Video Resolution up to 1080p

### PTC-305



#### 4K Auto Tracking PTZ Camera

- 20x Optical Zoom
- Video Resolution up to 4K60p

### PTC-325



#### 4K Auto Tracking PTZ Camera

- 30x Optical Zoom
- Video Resolution up to 4K60p

# Supported Video Switchers

## Datavideo's Production Switchers

### SE-4000/ SE-4000MU



#### 4K 12-Channel Digital Video Switcher

The SE-4000MU is equipped with broadcast quality UHD 4K50/60 12GSDI and HDMI 2.0 video input ports.

### SE-2600MU



#### HD 8-Channel Digital Video Switcher

The SE-2600MU switcher offers HD 1080p 4x 3G-SDI and 4x HDMI inputs, along with 6 outputs including 3x 3G-SDI and 3x HDMI.

### SE-3200MU



#### HD 12-Channel Digital Video Switcher

The SE-3200MU offers full HD 1080p 8x 3G-SDI and 4x HDMI inputs, along with 9 outputs including 6x 3G-SDI and 3x HDMI.

### KMU-100+



#### 4K Multi-Camera Processor

8-channel switcher allows viewing two 4K video feeds and multiple cropped 4K images simultaneously on a multi-view monitor for easier switching.

### iCAST 10NDI MK II



#### Hybrid Events Switcher

A hybrid event switcher for classrooms, lectures, and conferencing, with all I/O needed for production, streaming, recording, and Zoom or Teams integration.

### VoiceTRX100 NDI



#### NDI Router

Automated voice tracking NDI camera Router to work in conjunction with AV network switches. License required to unlock this feature.

# Produce engaging online meetings without a production team

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AVIXA RU Provider Online Courses to become an Authorized VoiceTRX100 Reseller. You can view a tutorial video for the VoiceTRX100 is available at Datavideo Academy to help you get the best performance out of the product. Please scan QR code.



**SENNHEISER**



**SHURE**



 **audio-technica.**



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Together with our technology partners Sennheiser, Shure, & Audio-Technica, Datavideo is bringing a complete audio and video control and switching solution to your conference rooms and huddle spaces. Trademarks, Logos and brands mentioned belong to their respective owners and are utilized solely for identification purposes.

# Choose a Microphone Suited for your Application

The updated microphone list can be found at [www.datavideo.com/us/product/VoiceTRX100](http://www.datavideo.com/us/product/VoiceTRX100)

## Sennheiser

TeamConnect Ceiling  
Microphone, TCC 2, TCC M  
Speechline, SL TABLESTAND  
153-S DW SL MCR 4 DW



## Shure

MXA920, MXA910,  
MXA901, MXW8, MXCW



## Audio-Technica

ANTD1061  
ATUC-IR  
ATUC-50



## ALLEN & HEATH

AHM-16  
AHM-32



# Recommended AV Bridge

## SDI or HDMI Capture Boxes

### NDI CONNECT 100



#### NDI to UVC Bridge

- Decodes NDI to UVC/USB, HDMI and SDI
- Up to 1ch 4K60 decode with NDI HX3/HX2, and other IP stream formats
- PoE powered or AC-adaptor power supply
- Support Web UI and DVIP control, to bundle with VoiceTRX 100 workflows
- Compact and low power consumption, ideal for conference applications

### CAP-1



#### SDI to USB 3.0 Capture Box

- 1080p60 video transmission over USB 3.0
- 1 x SDI video input
- 3G-SDI audio and video capture
- Connect to video conferencing
- Plug and play operations with video format (resolution and frame rate) auto-detection capability

### CAP-2



#### HDMI to USB 3.0 Capture Box

- 1080p60 video transmission over USB 3.0
- 1 x HDMI video input
- HDMI 1.4 audio and video capture
- H.264 video recording format (software compression)
- Plug and play operations with video format (resolution and frame rate) auto-detection capability
- Connect to video conferencing

### iCAST Mini



#### 4K Dual Channel Presentation Switcher

- Connect to Zoom or Teams computer through USB C output
- Presenter controls the presentation with touch panel
- Switch from computer presentation to camera on Touch screen
- Picture-in-Picture option with touch screen
- Activate auto tracking with a touch screen

# VoiceTRX100 Specifications

Model Name	VoiceTRX100
Product Name	Voice Tracking Control Interface
Control	Web browser UI for configuration and control DVIP commands
Control Protocol	DVIP
Network Feature	1 x RJ-45 Female (10/100/1000M Ethernet) DHCP/Static IP
POE	IEEE 802.3at
F/W Update	Automatic firmware upgrade
Power	Input AC 100~240V Switching Adaptor Output DC 12V / 1A
Video Output	2 x HDMI 2.0
Supported Video Output Resolution	3840x2160p: 30/29.97/25/24/23.98 (H.265 Only) 1080p: 30/29.97/25/24/23.98 1080i: 60/59.94/50, 720p: 60/59.94/50 576i 50 (PAL) 480i 60 (NTSC)
Supported Camera	All Datavideo PTZ Cameras
Supported Video Switchers	iCast 10NDI, KMU-100+, SE-4000MU, SE-2600MU, SE-3200MU
Supported Microphones	Shure MXCW, MXW8, MXA901 Shure MXA910/920 Sennhesier TeamConnect Ceiling Microphone, TCC 2, TCC M Speechline Sennhesier SL Tablestand 153-S DW, SL TABLESTAND 153-S DW SL MCR 4 DW Audio-Technica ANTD1061, ATUC-IR, ATUC-50

The updated microphone list can be found at [www.datavideo.com/us/product/VoiceTRX100](http://www.datavideo.com/us/product/VoiceTRX100)

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