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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
Market A
Market B
Behavioral
Demographic
Geographic
Psychographic
Target Market

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.

Features:

- Provides clean switching with no camera movement on the ouput.
- 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

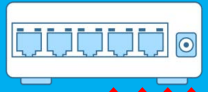
audio-technica

ALLEN&HEATH

VoiceTRX100

Voice Tracking Control Device

Ethernet Switch



CONTROL COMMANDS

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KMU-100+

4K Multicamera Processor

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Datavideo PTZ Camera

4K PTZ Auto Tracking Cameras

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iCAST 10NDI MK II

Hybrid Events Switcher

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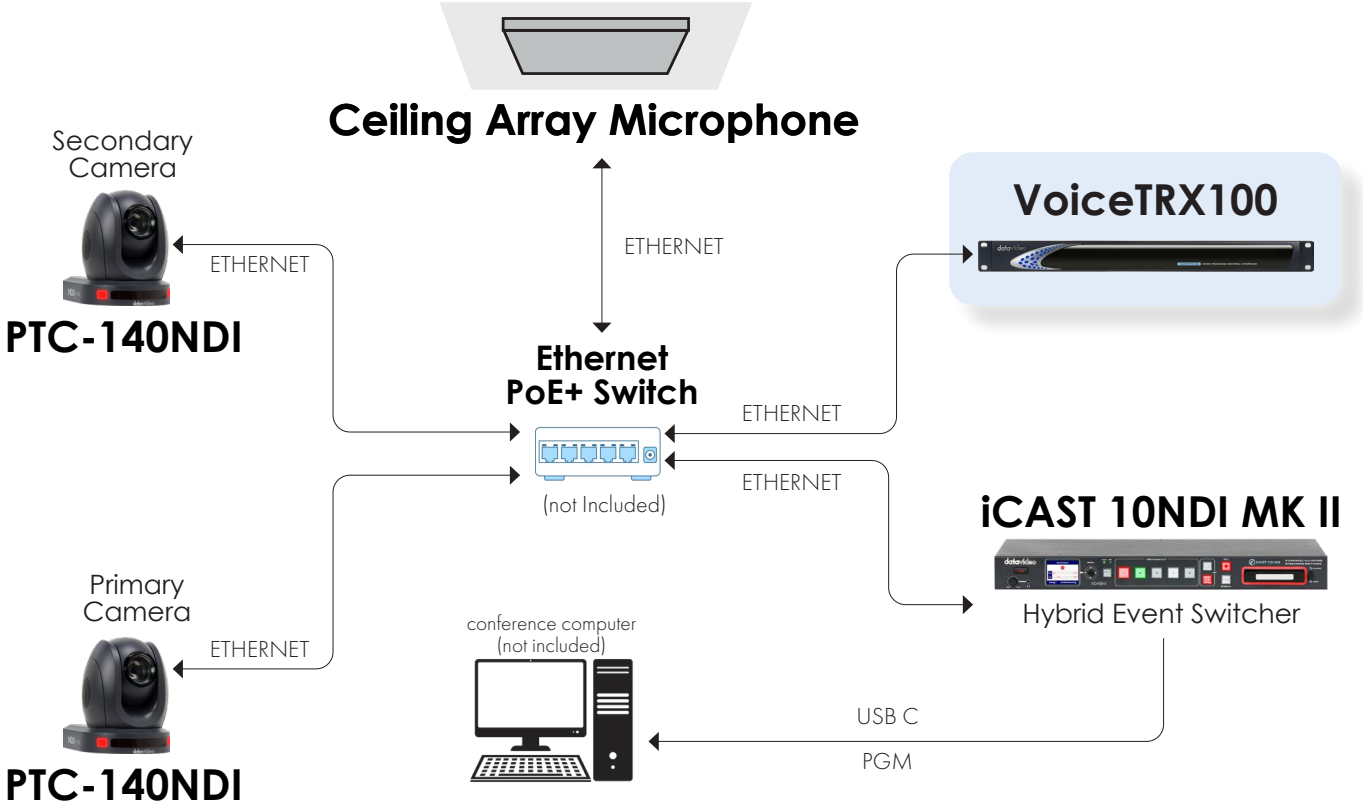
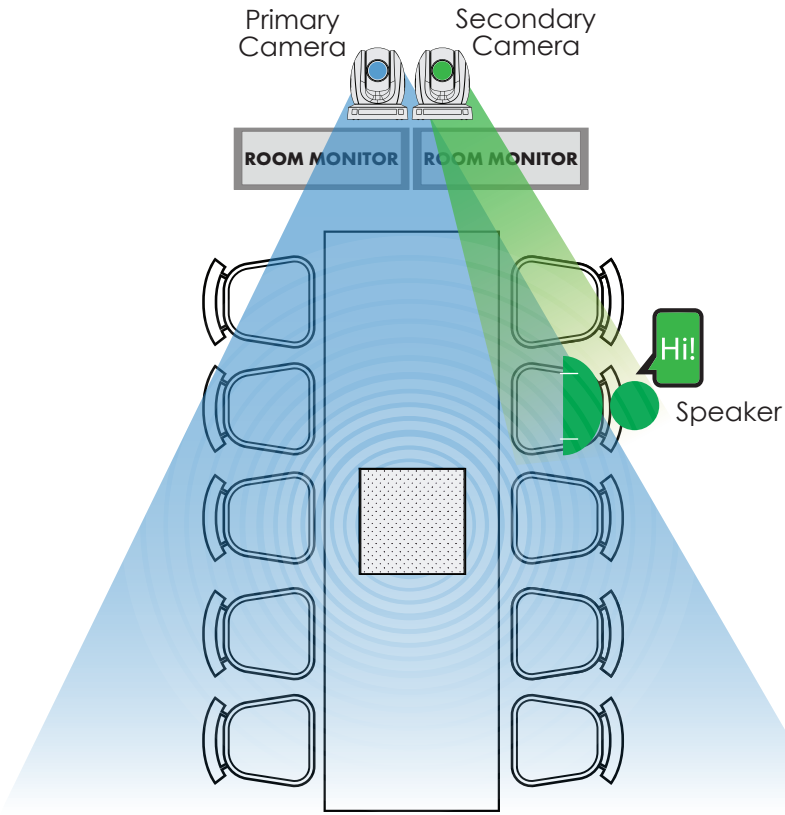
Production Switcher

SE-2600MU, SE-3200MU & SE-4000MU

Medium Conference



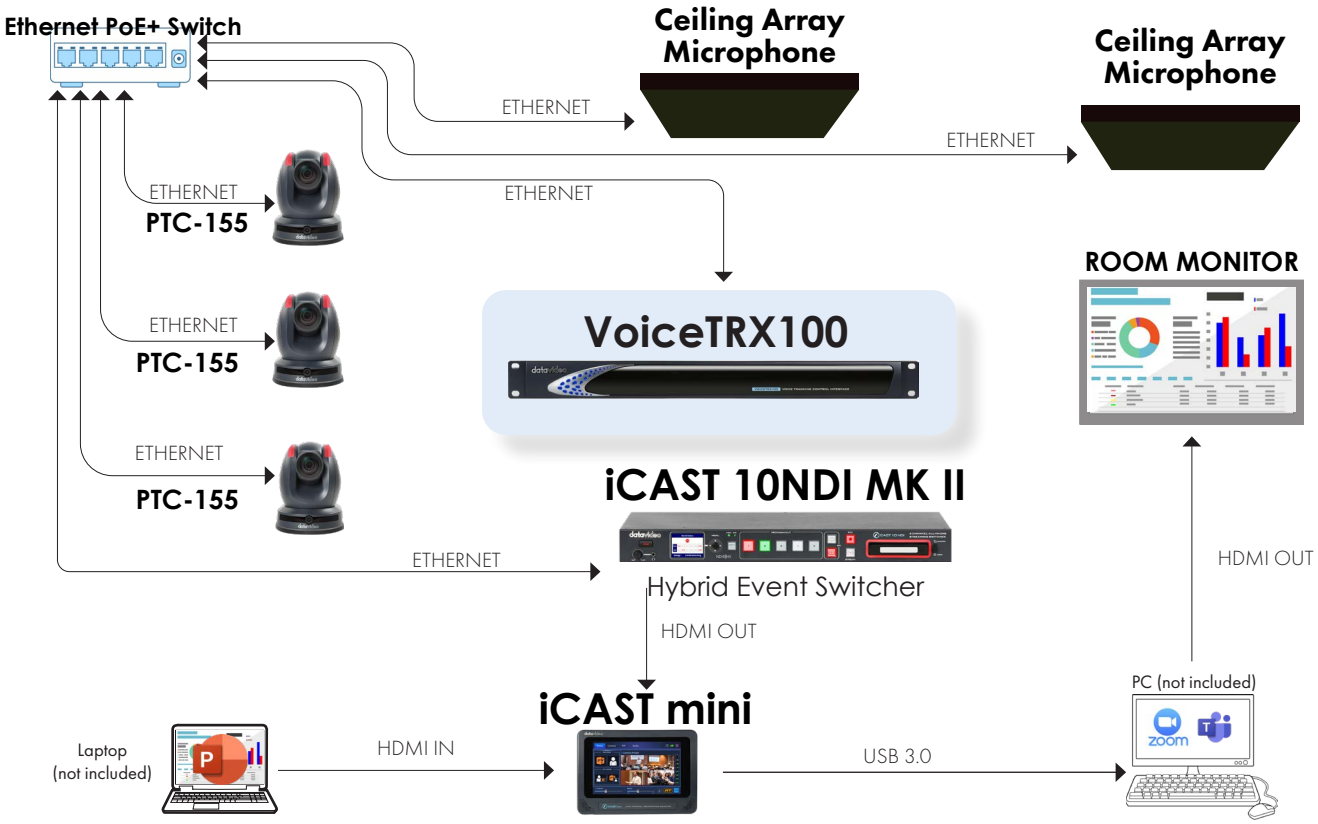


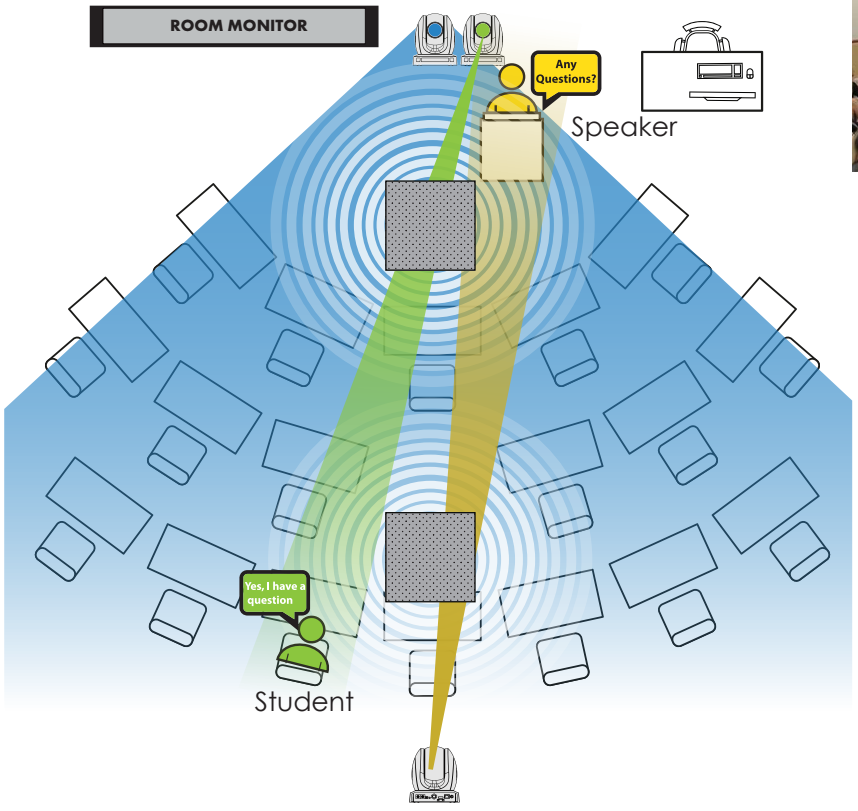
Datavideo products included in the workflow:

- **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



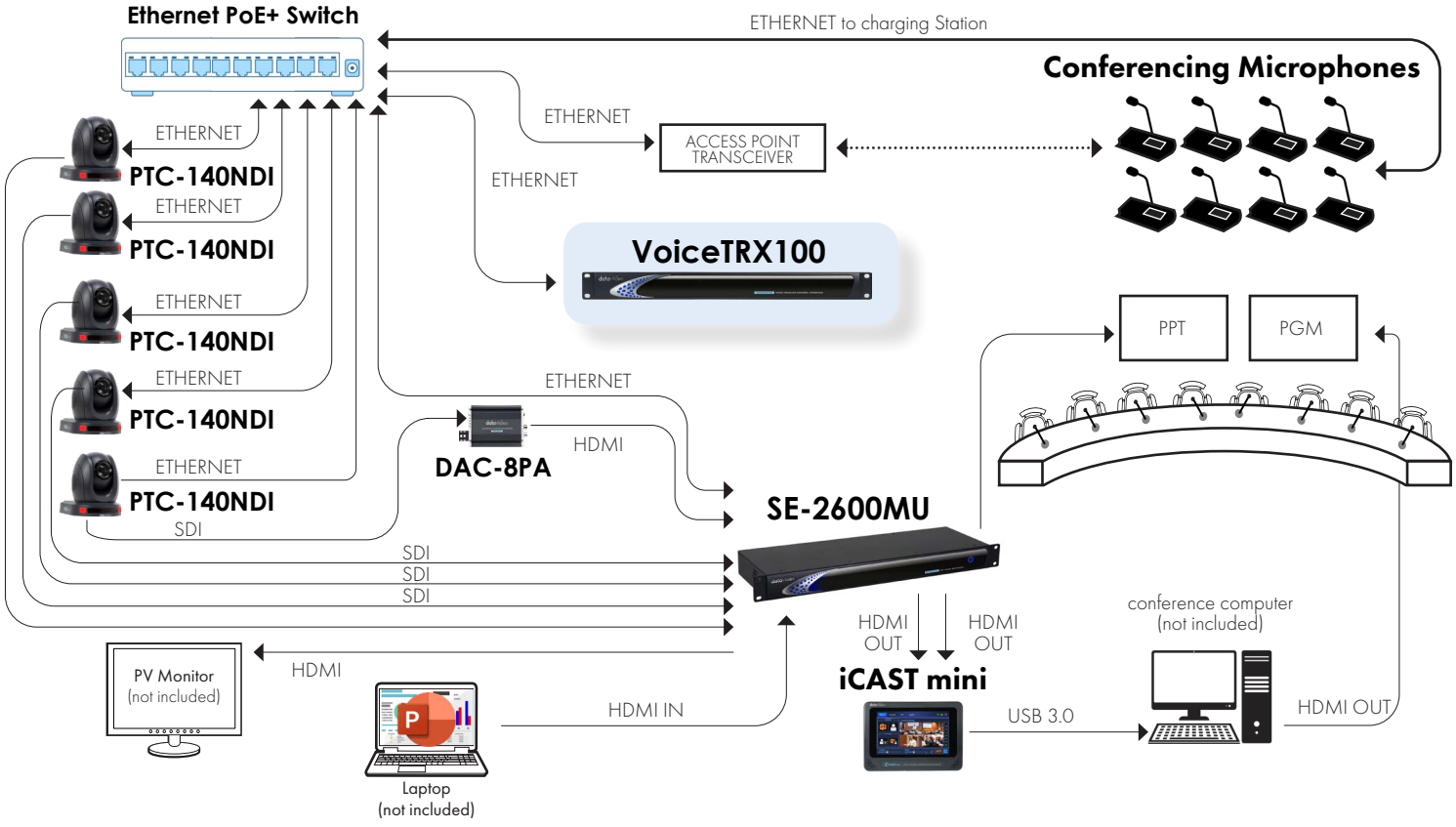


Datavideo products included in the workflow:

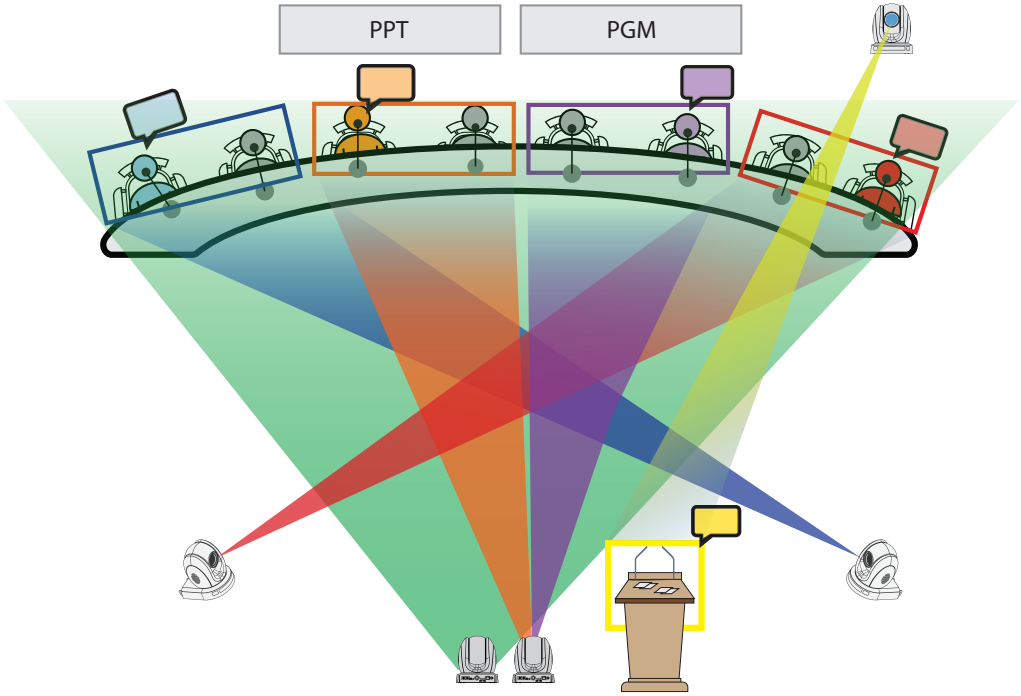
- **VoiceTRX100**
  Voice Tracking Control Interface
- **PTC-155**
  (3) 30x HD Tracking PTZ Camera
- **iCAST 10NDI MK II**
  Hybrid Event Switcher
- **iCAST mini**
  Presentation Switcher

SCAN QR CODE FOR GIF EXAMPLE

Government / Panel Discussion



Panel with Conferencing Microphones

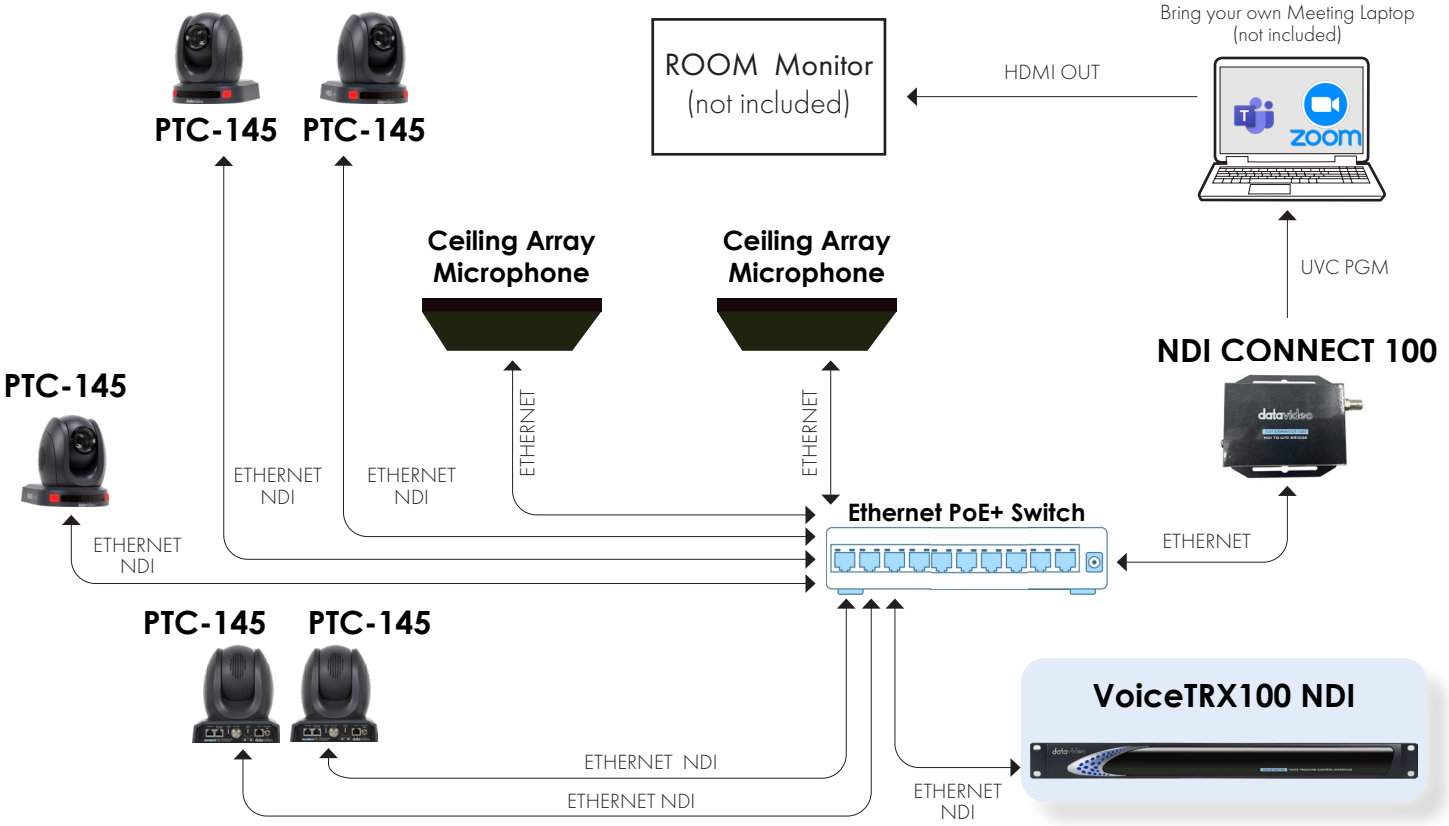


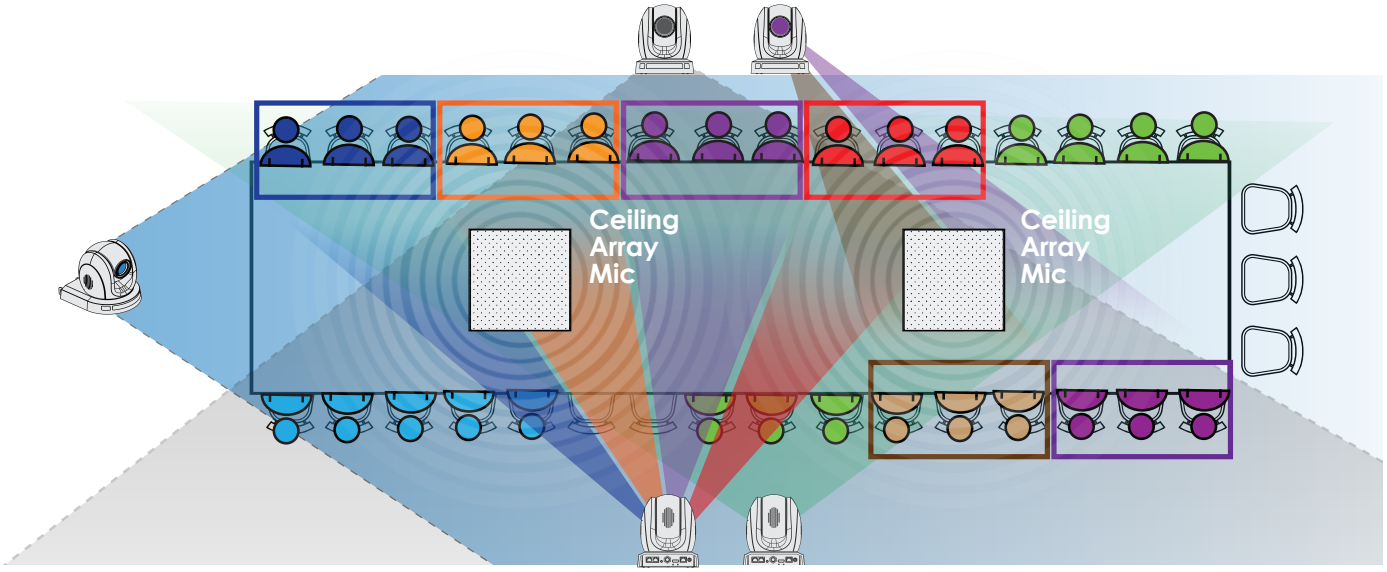
SCAN QR CODE FOR GIF EXAMPLE

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



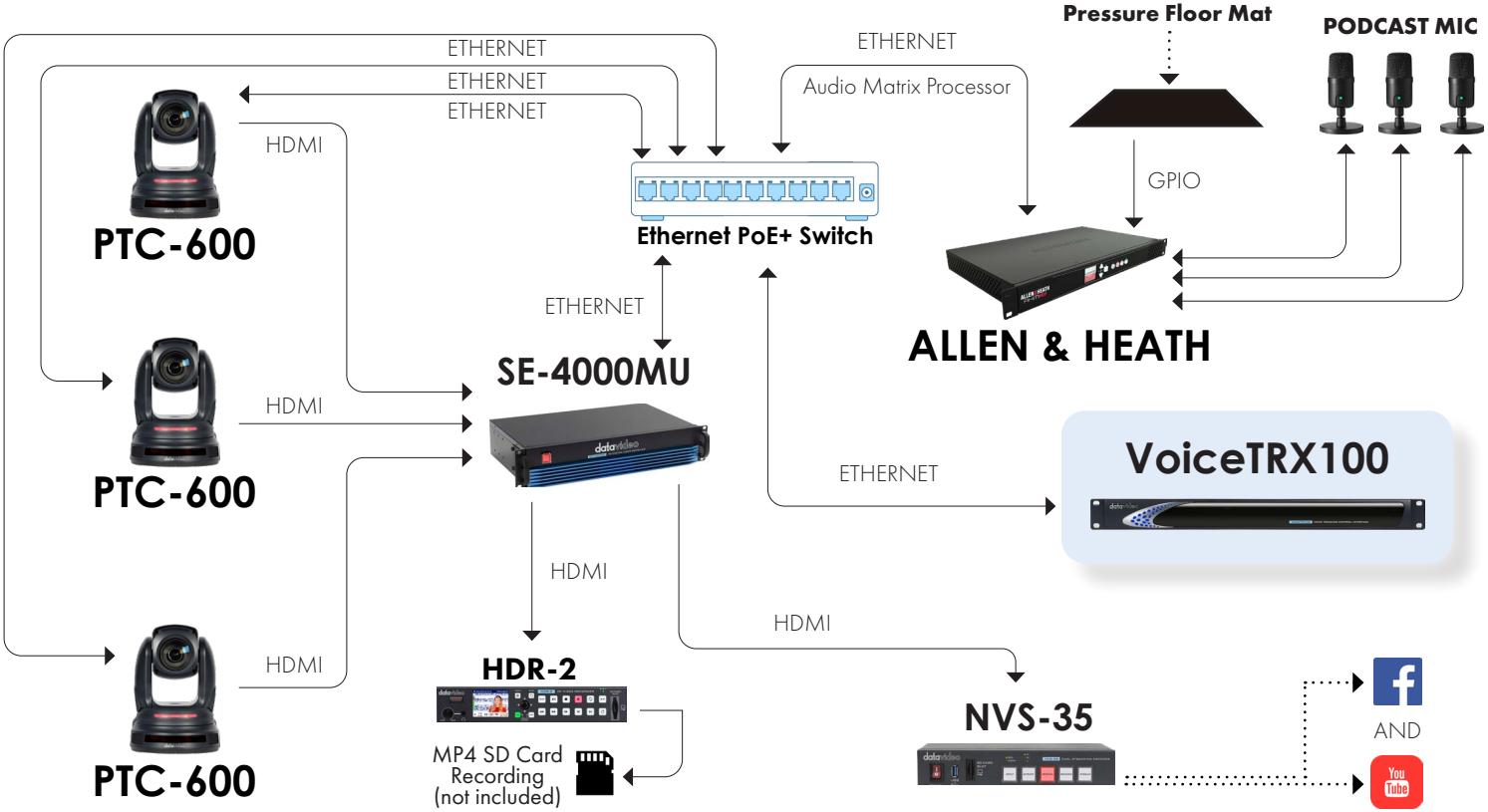


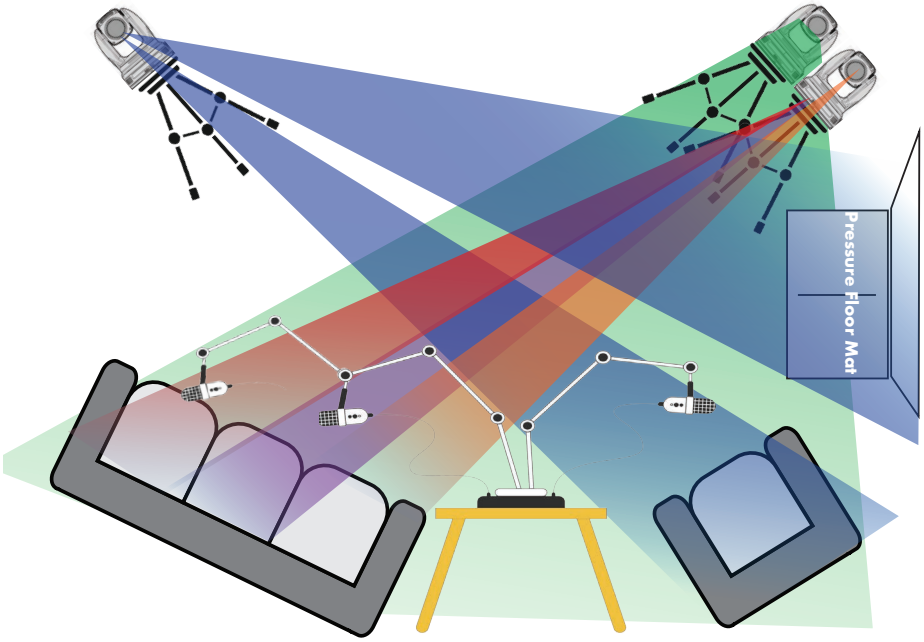
Datavideo products included in the workflow:

- **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


ETHERNET
ETHERNET
ETHERNET
HDMI
PTC-600
HDMI
PTC-600
HDMI
PTC-600
ETHERNET
Audio Matrix Processor
Pressure Floor Mat
PODCAST MIC
GPIO
Ethernet PoE+ Switch
ALLEN & HEATH
ETHERNET
SE-4000MU
ETHERNET
VoiceTRX100
HDMI
HDMI
HDR-2
MP4 SD Card
Recording
(not included)
NVS-35
AND

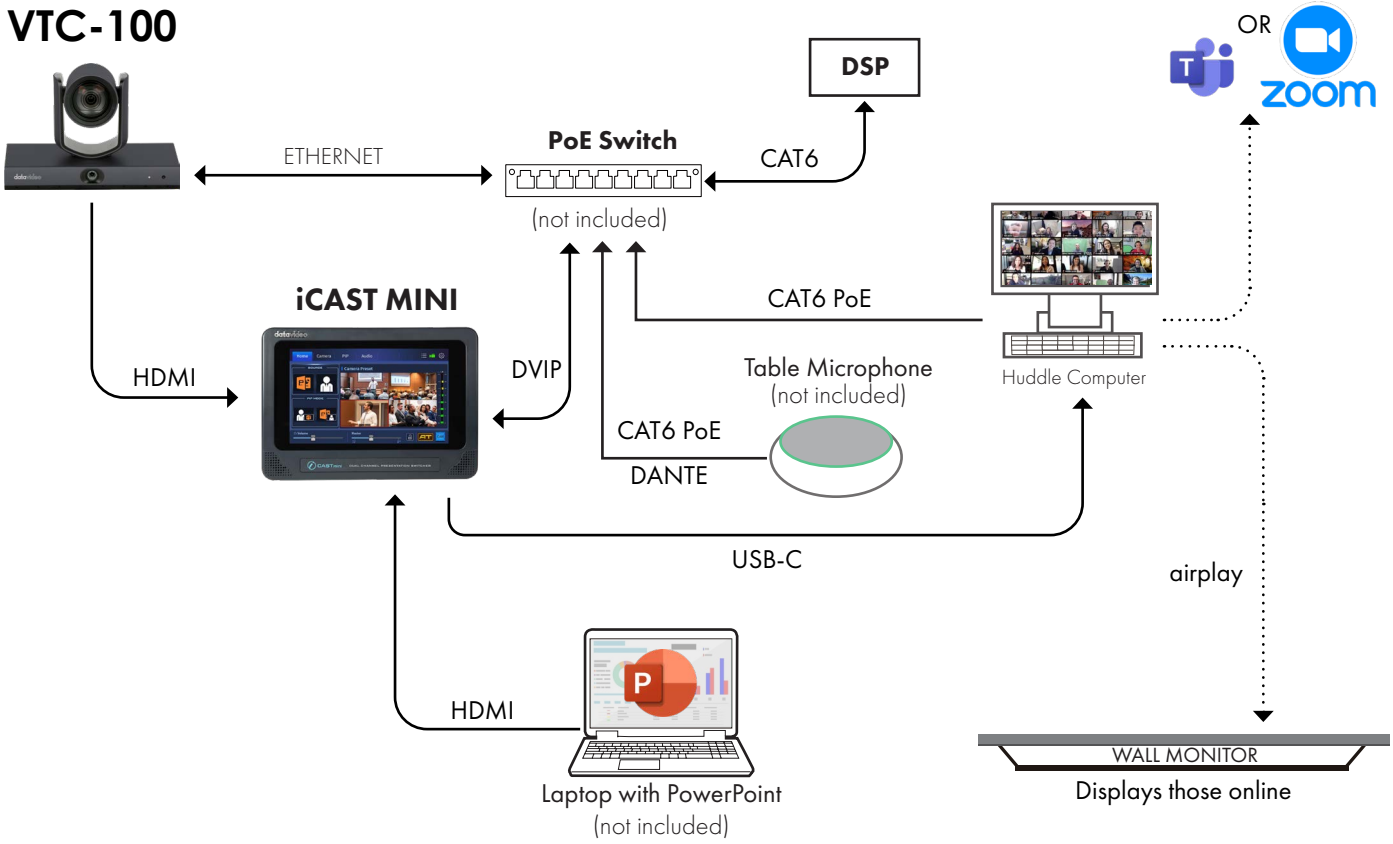


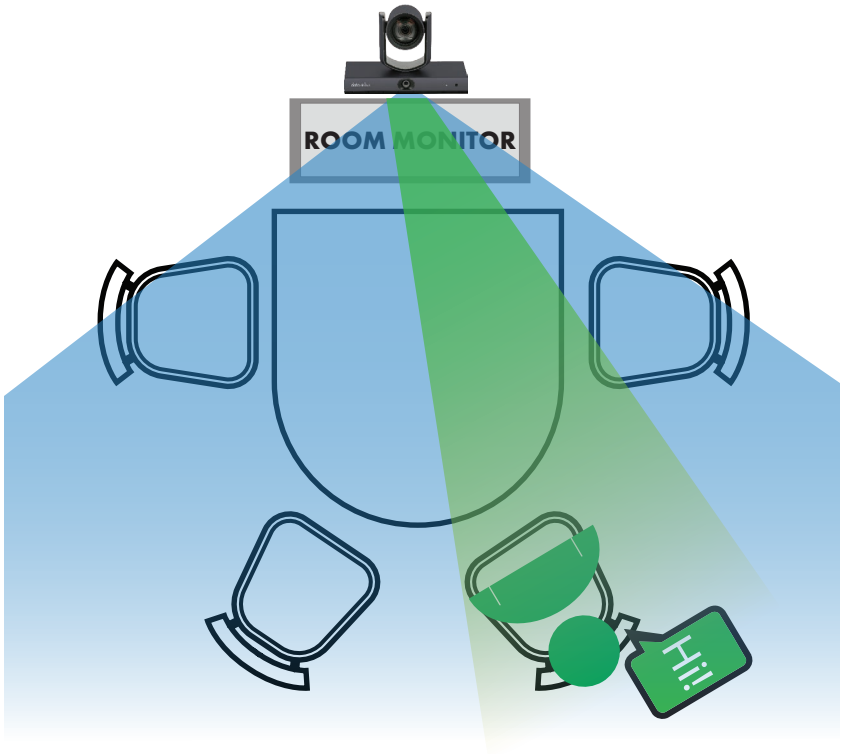
SCAN QR CODE FOR GIF EXAMPLE

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

Huddle Room


VTC-100
ETHERNET
PoE Switch
(not included)
DSP
CAT6
OR
zoom
iCAST MINI
HDMI
DVIP
CAT6 PoE
Table Microphone
(not included)
CAT6 PoE
DANTE
Huddle Computer
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 enaging online meetings without a production team

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

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

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-adapter 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	1x 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 Audio-Technica ANTD1061, ATUC-IR, ATUC-50 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

The updated microphone list can be found at www.datavideo.com/us/product/VoiceTRX100

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