VC-TA50

AI Auto-Tracking Camera Introduction

Overview

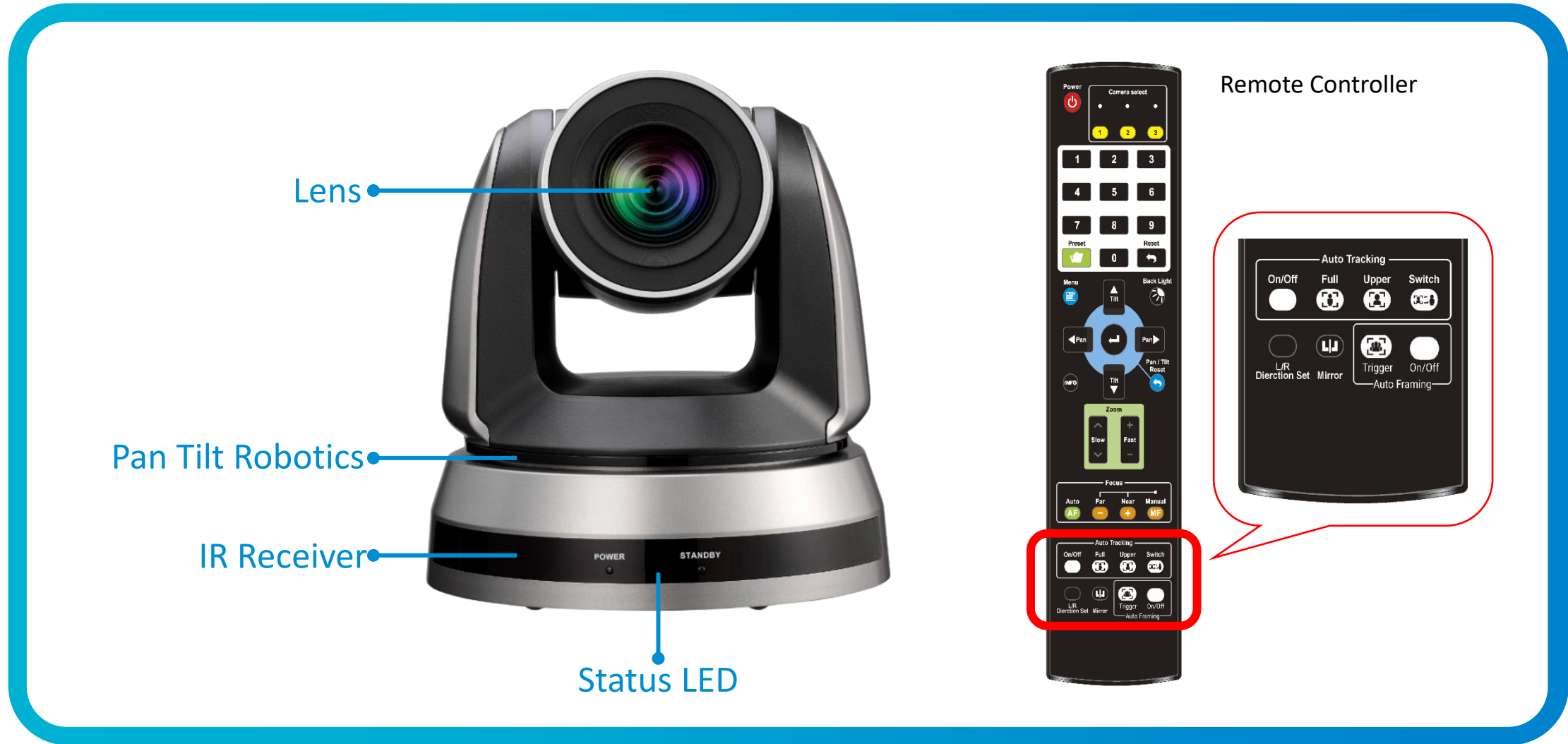**Lumens®**

VC-TA50
FHD Auto Tracking Camera

- Color: Black, White
- NDAA/TAA Compliant: Yes
- Warranty: 5-Year
- MAP: $2,199

*Changes in specification or design may not be done without notification.

Product Design

Lens

Pan Tilt Robotics

IR Receiver

Status LED

Remote Controller

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I/O Interface

Audio In

RS-232 (Daisy Chain)

RS-422

Kensington lock

Power Supply

Resolution Output Dip Switch

IR Select

Ethernet (PoE+)

HDMI

3G-SDI

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Accessories & Software

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Software

Deployment Tool

Camera Controller

Virtual Camera

Accessories

Wall mount
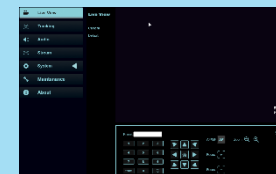WM12

Wall mount
WM15

Control

Remote Controller

Webpage

Key Features

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- AI-Powered Human Face Recognition

- 3 Tracking modes and auto framing

- 1080P 60fps with 20x Optical Zoom

- HDMI, SDI, IP simultaneous output

- Support RTSP/RTMP/RTMPS and SRT

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Selling Points

Partition Tracking (Hybrid Mode)

When inside a Partition Area, the camera displays a preset view and fixed in place. When outside Partition Areas, the camera follows the presenter by everywhere tracking.

Everywhere Tracking

The camera will follow the presenter wherever the presenter goes. You can track either full or upper body in view. You can simply change a tracking subject by clicking on him or her in web portal.

Stage Tracking

When inside the Tracking Area, the camera follows the presenter with only pan movement. When outside the Tracking Area, the camera stop following.
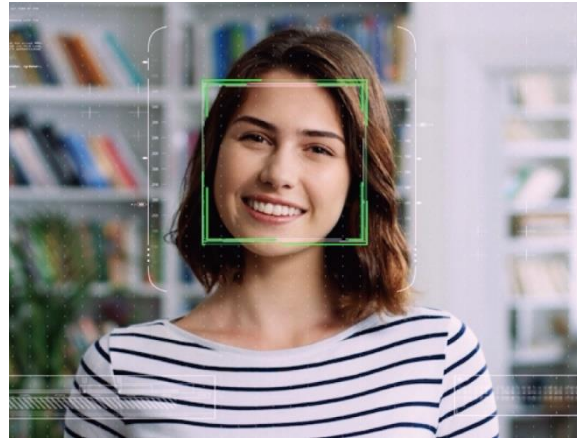
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Selling Points

Smooth Pan-Tilt-Zoom movement

VC-TA50 offers smooth movement, panning, tilting, and zooming capabilities. Even in auto-tracking mode, this camera can perfectly move smoothly and track a subject.

Smart AF

Smart AF feature keeps your face in sharp focus even when you move around, so you can be sure that your pictures will always look amazing.

Auto-Tracking Features

Tracking Features

- **Three Tracking Modes**
  - Stage Tracking
  - Everywhere Tracking
  - Partition Tracking
- **Auto-Framing**
- **Advanced AI Function**
  - Click & Track
  - Full/Upper Body
  - People Counting
  - Tracking ID

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5 year Warranty

Stage Tracking

★ **How does it work:**

When inside the Tracking Area, the camera follows the presenter with only pan movement. When outside the Tracking Area, the camera stop following.

Everywhere Tracking

★ How does it work:

The camera will follow the presenter wherever the presenter goes.
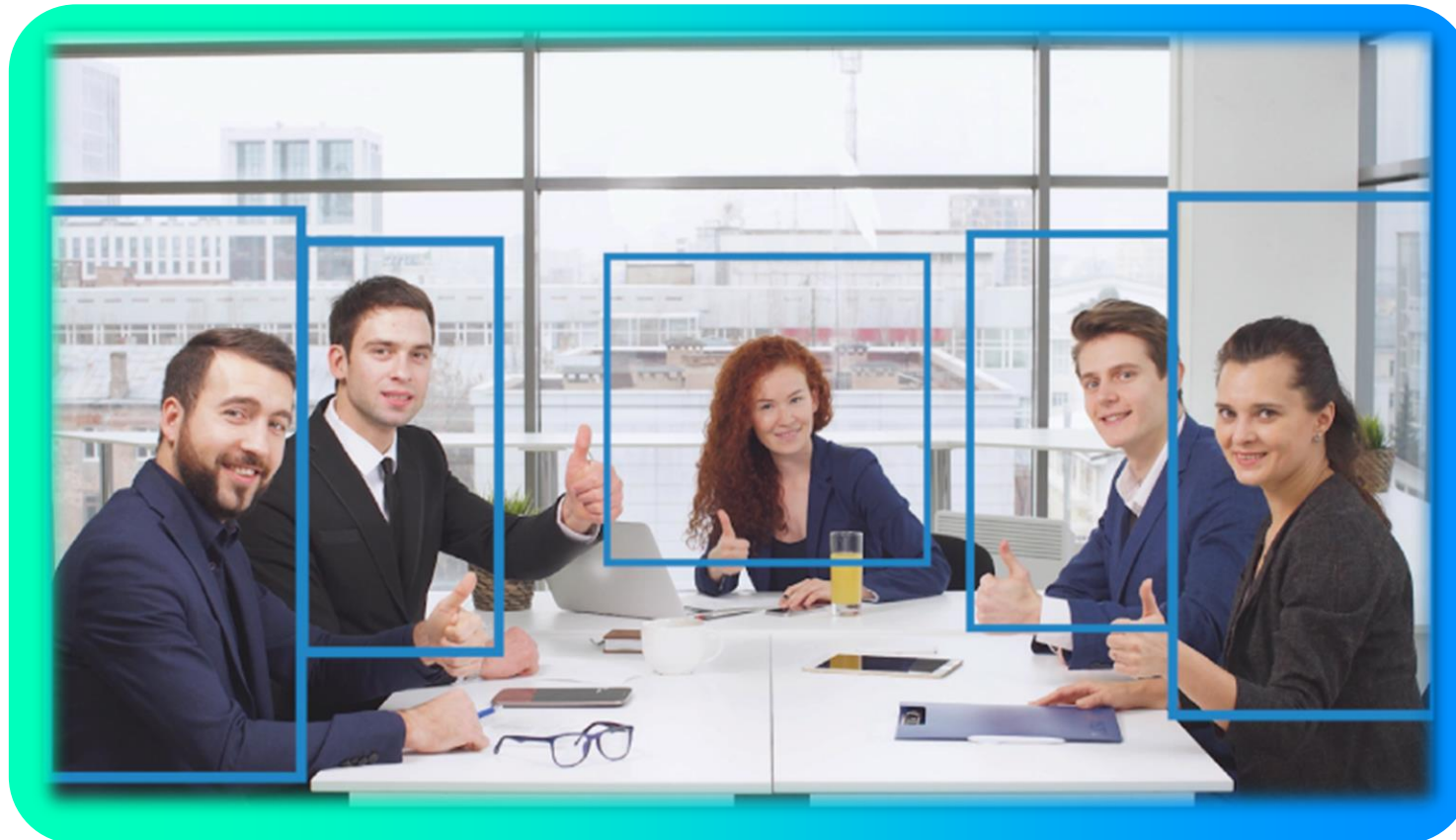
Partition Tracking (Hybrid Mode)

★ How does it work:

When inside a Partition Area, the camera will go to a designated preset position. When outside Partition Areas, the camera follows the presenter.
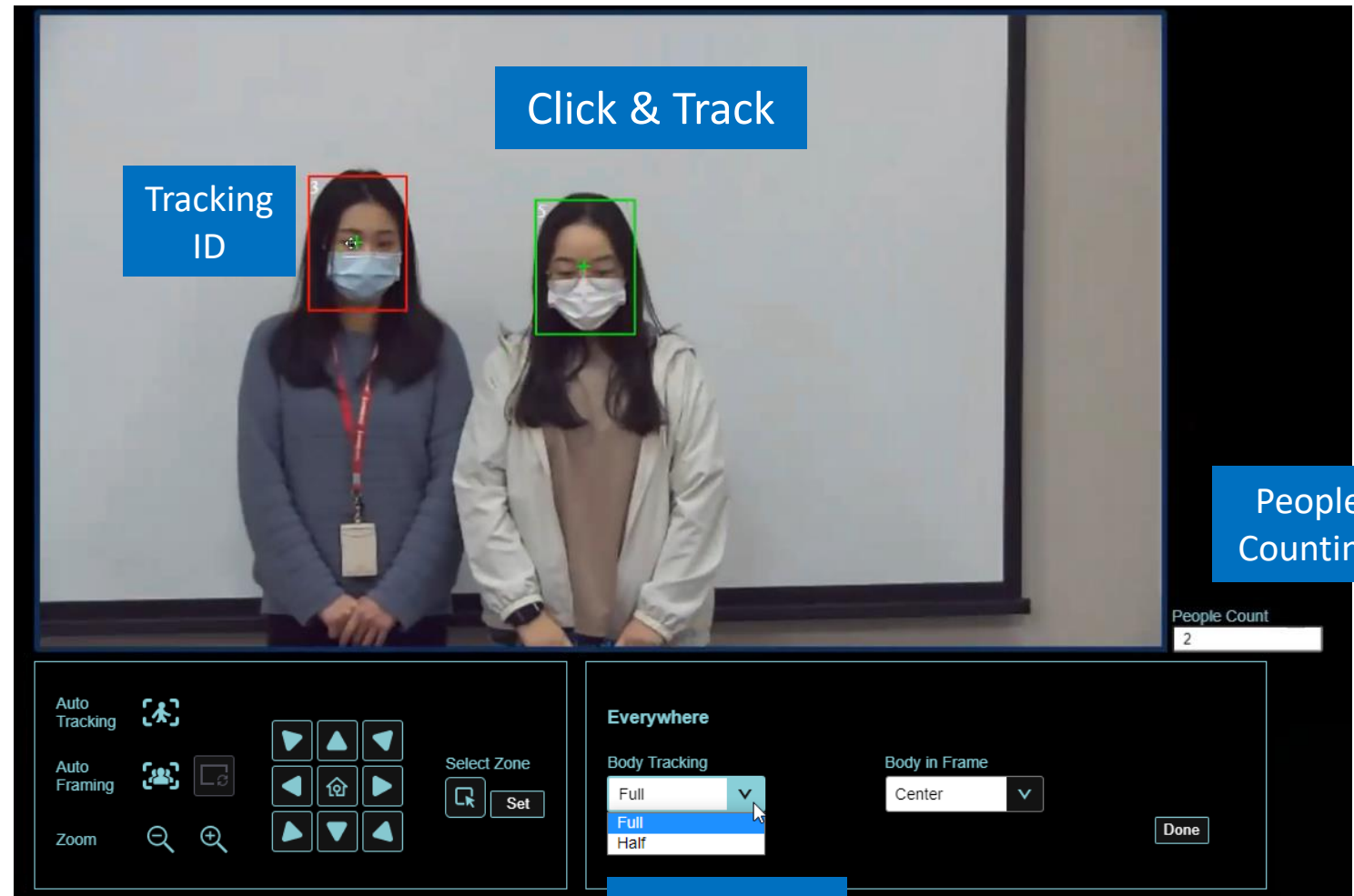
Auto-Framing

★Camera will automatically frame all participants in view.

Comparison

New VS Old

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	VC-TA50	VC-TR1
Max Resolution	1080p 60fps	1080p 60fps
Optical Zoom	20x	20x
Lens	Single	Dual
Auto-Tracking Mode	3	3
Auto-Framing Mode	1	1
Click & Track	✓	✗
Full/Upper Body	✓	✗
Smart Switch	✗	✓
Multi-People Mode	✗	✓
Output	HDMI,SDI,IP	HDMI,SDI,IP,USB
Inverted Installation	✓	✗
Control	Webpage	Software

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Competition

	Lumens	Aver
Model	VC-TA50	TR311
Map Price(USD)	$2,199	$2,199
Video Format	1080p60	
Video Output (HD) Interface	3G-SDI, HDMI, Ethernet	3G-SDI, HDMI, Ethernet, USB3.0
Optical Zoom	20x	12x
Horizontal Viewing Angle	57°	70°
Smart AF	Yes	NA
Image Flip	Yes	
AR/VR systems	FreeD	NA
Tally Light	Yes	
Reliable AI Tracking	Yes	Yes
Auto Framing	Yes	NA
High Speed Preset	300°/sec	200°/sec
Smooth Pan/Tilt movement	Yes, 0.1°/s	
USB Output	NA	1080p30
IP Streaming	RTSP / RTMP / RTMPS / MPEG-TS / SRT	RTSP / RTMP / SRT
Control Protocol	VISCA / PELCO D / ONVIF	VISCA / PELCO-D / CGI (IP)
UVC	NA	Yes
UAC	NA	Yes

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Use Cases

CORPORATE TRAINING

LECTURE CAPTURE

HOUSE OF WORSHIP

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Integration

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VS-KB30

VS-K20

LC200

LC100

Control

Media Processor

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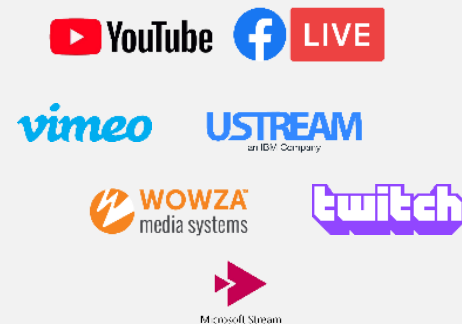
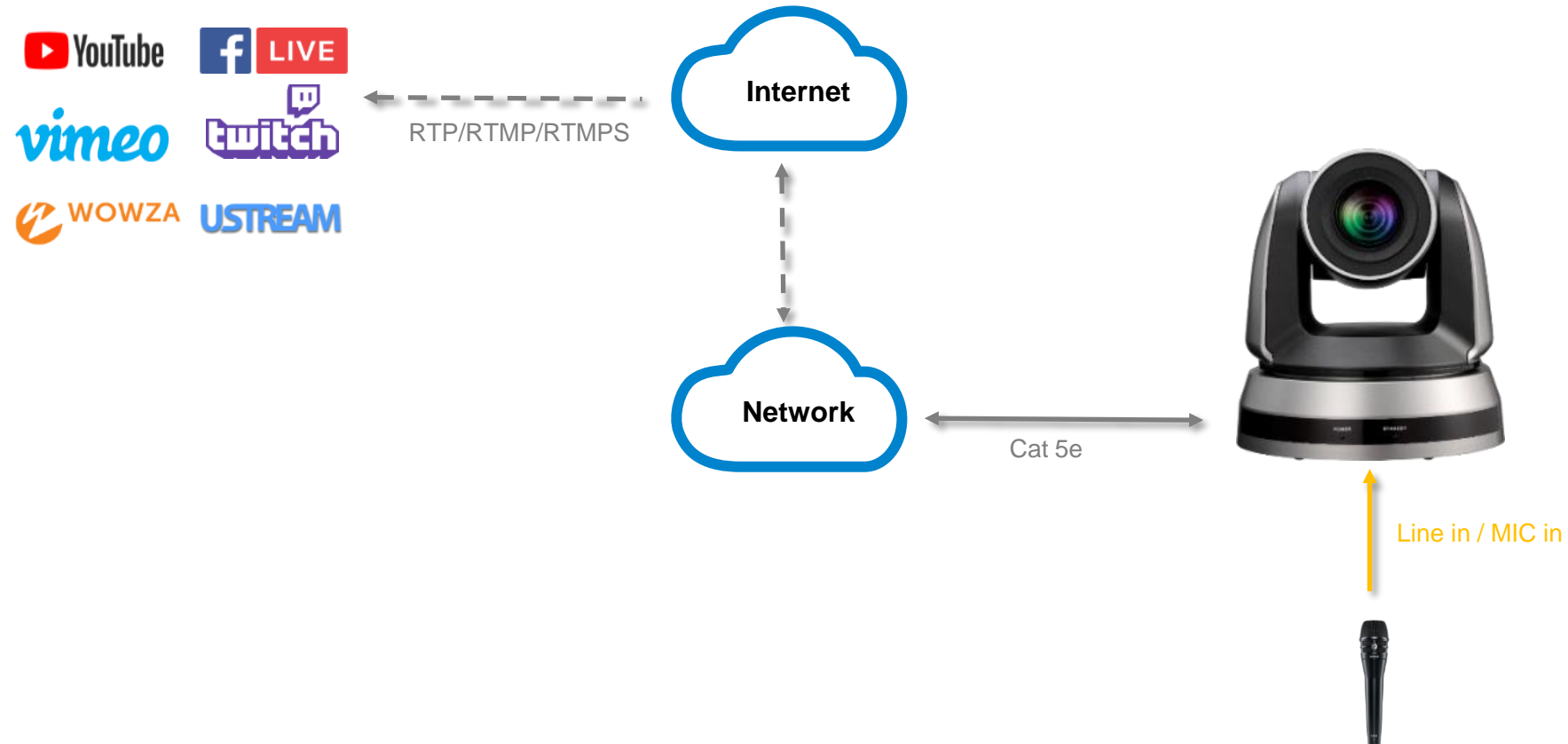# Integration

Third-Party

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Stream Deck

Streaming Platform

Broadcasting Software

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Standalone Live Streaming

RTP/RTMP/RTMPS

Internet

Network

Cat 5e

Line in / MIC in

Recording and Streaming