



AI Dual-Lens Tracking Camera VC40-DU



Product Introduction

The C60 pairs dual-lens imaging with a linear microphone array, making it ideal for medium-to-large rooms and training spaces. A 1080p close-up lens provides 12x optical zoom and a 72.5° field of view, while a 1080p panoramic lens delivers an ultra-wide 110° view with automatic framing adjustments.

Featuring an integrated 8-element microphone array, this system achieves a Direction of Arrival (DOA) accuracy of under 5 degrees for precise audio-video coordination. It is designed to meet diverse meeting requirements, including discussions, speeches, presentations, and whiteboard sessions.



Main Features

Dual-Lens 1080p

The 1080p close-up lens offers 12x optical zoom and a 72.5° field of view, while the 1080p panoramic lens provides an ultra-wide 110° angle. Automatic dual-lens switching ensures smooth motion and preserves fine detail at every distance.

Whiteboard and Auto-Framing

Pose and writing-gesture detection capture whiteboard content with clarity, facilitating more effective knowledge sharing. Auto-framing is a feature that automatically adjusts the composition of the image to keep everyone centered, in response to people entering or leaving, or to changes in seating arrangements.

Speaker and Presenter Tracking

In discussion mode, the system identifies who is speaking and automatically switches between wide and close-up views to make sure you can hear them clearly. Face detection works well in presentation mode, even when it's difficult to see the person in front of you.

Array Mic Precision

The 8-element linear array microphone captures images with up to 5 degrees of DOA clarity, with intelligent tracking and character centring, allowing for smoother transitions for remote attendees.

Unified AV Fast Setup

The C60 features a USB Host port, allowing the system to connect to Microphone Speakers (M12 and M6) via an external Bluetooth dongle. Additionally, it serves as a central hub, routing the conference's audio and video signals directly to the host.

Specifications

Close-up view

Image sensor

1/2.8-inch CMOS, 2.14 million pixels

Focal distance

f=4.14mm-47.08mm

Aperture

F1.6-F2.8

Optical zoom

12x

Digital zoom

16x

Field of view

Horizontal 72.5°- 6.3°

Focusing System

Automatic, manual, one-touch trigger, PTZ trigger

Shutter speed

1/60-1/10,000s

Gain

Auto/Manual

Exposure control

Auto, Manual, Shutter Priority, Aperture Priority, Brightness Priority

Minimum illumination

0.5Lux

General norm

Control protocols

VISCA

Power consumption

<20W

Working environment

Operating Temperature, 0~40°C; Operating Humidity, 10%RH ~ 90%RH

Storage environment

Storage temperature, -20°C to 60°C; storage humidity, 10 percent RH to 90 percent RH

Sizes

245mm*145mm*165mm

Weights

<2 kg

PTZ Functions

Horizontal range

-130°~+130°

Vertical range

-30°~+90°

Horizontal rotation speed

0.1°~100°/s

Vertical rotation speed

0.1°~80°/s

Number of preset points

64

Panoramic view

Image sensor

1/2.8-inch CMOS, 2.14 million pixels

Focal distance

f=1.89mm

Horizontal perspective

110°

White balance

Auto

Exposure control

Auto

Microphone

Microphone array

8-Array Smartline Microphone

DOA Accuracy

<5°

Maximum detection distance

8m

Interface

Network

1x10/100M RJ-45 PoE

3G-SDI

1x3G-SDI

HDMI

1xHDMI OUT Audio Output Available

USB 2.0

1xUSB 2.0 Type-A HOST

USB 3.0

1xUSB 3.0 Type-B

Audio interface

1xLINE IN 3.5mm Audio Interface

Reference Audio

1xREF 3.5mm Audio Interface

Control interface

1xRS-485 IN, 1xRS-232 IN

Power connector

DC 12V

Power switch

Rocker switch

Wireless control

Infrared remote

Equipment Management

Firmware Upgrade

Support

Status Enquiry

Support

Model number

TR-VC40-DU