4K Video-Conferencing Camera C40T



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CATALOG

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C40T Scene Image

Product Introduction

C40T Ultra HD Camera — 4K clarity for modern meeting spaces.

The C40T Ultra HD camera delivers an exceptional 4K video conferencing experience, combining a 12x optical zoom with 16x digital zoom to ensure crystal-clear detail. Its wide 72.5° lens and 260° horizontal pan range provide complete coverage of medium to large meeting spaces. Furthermore, with seamless integration into the MT100 AI Audio-Visual Tracking Box and ceiling microphone ecosystem, the C40T forms a complete, intelligent tracking solution that captures every critical detail.

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Main Features

4K Ultra-HD Core

At its core, the C40T features a Sony 1/2.8-inch UHD CMOS sensor, which serves as the foundation for its exceptional 3840×2160 resolution. Engineered specifically for conferencing, it produces crisp, nuanced images with remarkable depth and clarity.

Unified AV in One Path

An onboard USB Host port connects AISpeech AI microphones over USB or via Bluetooth dongles, unifying bidirectional audio with video in a single pipeline. Audio remains clear and transmission is highly efficient.

Broad Resolution Compatibility

Supports 4K output and down-compatible 1080p and 720p formats. From large boardrooms to small huddle spaces, visuals remain smooth and sharp.

Plug-and-Play Deployment

Connect to the meeting PC over USB 3.0 for rapid cloud-meeting setup. No complex tuning is required, saving time from installation to go-live.

Reliable Low-Light Imaging

Advanced sensor noise control works with 2D and 3D noise reduction to suppress grain, achieving an SNR of 55 dB or higher. Images stay stable and clean even in poor lighting.

Intelligent Mic-Cam Linkage

Works with AISpeech ceiling microphones and the MT100 intelligent tracking host to locate and follow active speakers in real time. Ideal for conferences, lectures, and large-room events where every participant matters.

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Product Specifications

Basic Parameters	
• Image sensor	• 1/2.8-inch CMOS, 8.46 million pixels
• Focal distance	• f=3.9mm-46.8mm
• Aperture	• F1.6-F2.8
• Optical zoom	• 12 x
• Digital zoom	• 16 x
• Field of view	• Horizontal 72.5°- 6.3°
• Focusing System	• Automatic, manual, one-touch trigger, PTZ trigger
• Shutter speed	• 1/60-1/10,000 s
• Gain	• Auto/Manual
• White balance	• Auto, manual, one-touch trigger, auto tracking, one-touch white balance, static color temperature
• Exposure control	• Auto, Manual, Shutter Priority, Aperture Priority, Brightness Priority
• Wide dynamic range	• Support
• SNR	• ≥50dB
• Anti-flicker	• Support
• Menu languages	• English/Chinese

Featured Functions	
• Mic camera linkage	• Supported with MT100 and Ceiling Mic series products, enabling more flexible image tracking strategies for large and very large spaces
• Automatic centering of characters on the screen	• Close-ups computing AI algorithms to automatically center the character when presets are called up

PTZ Functions	
• Horizontal range	• -130°~+130°
• Vertical range	• -30°~+90°
• Horizontal rotation speed	• 0.2°~90°/s
• Vertical rotation speed	• 0.2°~60°/s
• Number of preset points	• 256

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Product Specifications

Interface	
• HDMI	• 1 x HDMI1.4 Video resolution 4KP30/P25,1080P60/P50/P30/P25,720P60/P50/P30/P25
• 3G-SDI	• 1 × 3G-SDI Video resolution 1080P60/P50/P30/P25, 720P60/P50/P30/P25
• USB 3.0	• 1 x USB 3.0 Type-B USB3.0 output format: UVC supports UVC1.1 protocols, UVC video format support YUY2, NV12: video resolution 1080P30/P25, 720P30/P25, H.264/H.265/MJPEG：Video Resolution Support 4KP30/P25, 1080P60/P50/P30/P25, 720P60/P50/P30/P25, UAC audio format PCM
• USB 2.0	• 1 x USB2.0 Type-A HOST
• Network	• 1 × 10/100M RJ-45 PoE Video resolution 4KP30/P25, 1080P60/P50/P30/P25, 720PP60/P50/30/P25, 360P30/P25, Video format support H.264, H.265, Audio compression AAC, Network protocol ONVIF、 RTSP、 TCP、 UDP、 RTMP
• Audio interface	• 1 x LINE IN 3.5mm Audio Interface 1 x REF 3.5mm Audio Interface
• Control interface	• 1 x RS-485 IN 1 x RS-232 IN
• Power connector	• DC12V
• Power switch	• Rocker switch
• Wireless control	• Infrared remote

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Product Specifications

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 ~ +60°C, storage humidity 10%RH ~ 95 %RH
• Size (L×W×H)	• 245*145*164mm
• Body weight	• ≈2kg
• Body color	• Grey

Learn more : https://meeting.aispeech.com/

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