

IoT-Unear A30 All-In-One Video Conference Camera

Product Overview

IoT-Unear A30 is a desktop all-in-one USB video conferencing device for small-to-medium-sized teams. This product has a 115° ultra-wide horizontal view and supports QHD video calls. The built-in 4-element omnidirectional microphones array, customized, human-voice-optimized wideband speaker, enables 5-meter full-duplex two-way communication and stable HD audio and video conference experience. IoT-Unear A30 organizes a camera, microphones, and a speaker into one single device. Features like USB plug & play, general compatibility with leading online conference platforms, makes IoT-Unear A30 an excellent choice for conference rooms hosting 1-8 people and an online collaboration efficiency booster for all business teams.



Key Features

- Omnidirectional 4 microphones array algorithm, 5-meter far-field clear voice pickup
- Exclusive AI noise-suppression technology, significantly increase concentration of conference participants
- Real full-duplex, HQ uninterrupted communication
- 115° wide-angle distortion less camera captures all meeting participants clearly
- Plug & play, general compatibility with leading online conference platforms
- Audio & video all-in-one, intuitive control experience

Specifications

Features	
Wide-Angle Camera	115° Ultra Wide-Angle
Non-Distortion	Supported
High-Quality Wideband Speaker	Supported
Clear Uninterrupted Full-Duplex Communication	Supported

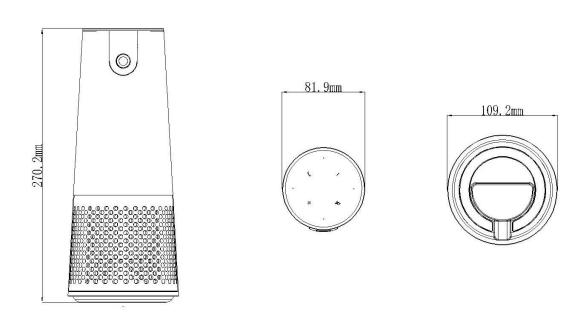




Self-Adaptive Skin Toning Supported Lens Discriorin Correction Supported Anti-Filckering Supported Automatic Kynte Balance Supported 3D noise suppression Supported Video Supported Video Current State	Image Specs				
Lens Distortion Correction Supported Anti-Rickering Supported Automatic Exposure Supported Automatic Exposure Supported 30 noise-suppression Supported Video Specs Video Output 4MP@30fps Aspect Ratio 16-9 4MPC USB 2.0 Transmission MPEG and H.264 4MPC Camera Specs Aperture F/2.2 Pivel 4MP 4MP Image 2K 4MP FOV(H) 115° 4MP FOV(V) 59° 4MI Maximum Background Noise 24dB 4MI Suppression 24dB 2AU Foundamina Suppression Eco-Cancellation ≥ 30dB 4MI AGC Automatic Gain Control "Within 5-Meter Range 4Exercised Noise Suppression Supported Al-based Speaker Detection Supported 4Exercised Noise Suppression Supported Microphones 4-Element MEMS Microphone, 360° Omnidirectional Array 4Exercised Protection Suppression Substers (inc	Self-Adaptive Skin Toning	Supported			
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Automatic Exposure Supported Automatic White Balance Supported 30 noise-suppression Supported Video Spes Video Duty Aspect Ratio 16:9 UVC Compatibility 1.1 / 1.5 USB 20 Transmission MIPEG and H 264 Camera Specs VA Pixel 4MP Image 2K FOVIH 115° FOVIY 59° YO Islortion 1% Audio Specs Maximum Background Noise 24dB Suppression 24dB Full-Duplex When the gap of acoustic intensity between the near-end and far-end is less than 50dB etcho-Cancellation AGC Automatic Gain Control *Within 5-Meter Range Reverberation Suppression RT60-1s AL-based Speaker Detection Supported Microphones 4-Element MEMS Microphone, 360° Omnidirectional Array Sensitivity -32dB FS94dB SPL@1KHZ SNR 64dBA Effective Voice Pickup Range 5W Posak Power 5W	Anti-Flickering	Supported			
3D noise-suppression Supported Video Specs Video Output 4MP@30fps Aspeet Ratio 16-9 UVC Compatibility 1./1.5 USB 2.0 Transmission MPEG and H.264 Camera Specs Aperture F /2.2 Pixel 4MP Image 2 K FOVIH) 115° FOVIH) 5° V Distortion <1% Audio Specs 4MB Maximum Background Noise Supporession 24dB Full-bupiex When the gap of acoustic intensity between the near-end and far-end is less than 50dB Echo-Cancellation Echo Cancellation > 30dB AGC Automatic Gain Control *Within 5-Meter Range Reverberation Suppression RT60 Al-based Speaker Detection Supported Microphone Specs William MEMS Microphone, 360° Omnidirectional Array Sensitivity -32dB FS94dB SPL@1KHZ SNR 64dBA Effective Voice Pickup Range 5WEER (in conference rooms with low SNR, the actual voice pickup radius can be 5 meters or less)	Automatic Exposure				
3D noise-suppression Supported Video Specs Video Output 4MP@30fps Aspeet Ratio 16-9 UVC Compatibility 1./1.5 USB 2.0 Transmission MPEG and H.264 Camera Specs Aperture F /2.2 Pixel 4MP Image 2 K FOVIH) 115° FOVIH) 5° V Distortion <1% Audio Specs 4MB Maximum Background Noise Supporession 24dB Full-bupiex When the gap of acoustic intensity between the near-end and far-end is less than 50dB Echo-Cancellation Echo Cancellation > 30dB AGC Automatic Gain Control *Within 5-Meter Range Reverberation Suppression RT60 Al-based Speaker Detection Supported Microphone Specs William MEMS Microphone, 360° Omnidirectional Array Sensitivity -32dB FS94dB SPL@1KHZ SNR 64dBA Effective Voice Pickup Range 5WEER (in conference rooms with low SNR, the actual voice pickup radius can be 5 meters or less)	Automatic White Balance	Supported			
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Aperture F / 2.2 Pixel AMP Image 2K FOV(H) 115° FOV(V) 59° TV Distortion <196 Audio Specs Maximum Background Noise Suppression Echo Cancellation S 406 Speaker Detection S 416-8ased Noise-Suppression S 180 Sported Al-based Noise-Suppression RT60<15 Al-based Noise-Suppression RT60<15 Al-based Noise-Suppression RT60<15 Al-based Speaker Detection Supported Al-based Noise-Suppression S 59 Sported Al-based Noise-Suppression S 59 Meters (in conference rooms with low SNR, the actual voice pickup radius can be 5 meters or less) Speaker Specs Peak Power S 5W Rated Output Power 3W Speaker Frequency Response 20Hz ~20kHz	UVC Compatibility	1.1/1.5			
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Image 2K FOV(H) 115° FOV(V) 59° TV Distortion <1% Audio Specs Maximum Background Noise Suppression 24dB Full-Duplex When the gap of acoustic intensity between the near-end and far-end is less than 50dB Echo-Cancellation Echo Cancellation > 30dB AGC Automatic Gain Control *Within 5-Meter Range Reverberation Suppression RT60<1s Al-based Speaker Detection Supported Al-based Noise-Suppression Supported Microphones 4-Element MEMS Microphone, 360° Omnidirectional Array Sensitivity -32dB FS94dB SPL@1KHZ SNR 64dBA Effective Voice Pickup Range 5 Meters (In conference rooms with low SNR, the actual voice pickup radius can be 5 meters or less) Speaker Specs Peak Power 5W Rated Output Power 3W Speaker Frequency Response 20Hz ~20kHz	Aperture	F/2.2			
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FOV(V) 59° TV Distortion <1% Audio Specs Audio Specs Euli-Duplex When the gap of acoustic intensity between the near-end and far-end is less than 50dB Echo-Cancellation Echo Cancellation ≥ 30dB AGC Automatic Gain Control *Within 5-Meter Range Reverberation Suppression RT60<1s Al-based Speaker Detection Suppression Supported Al-based Noise-Suppression Suppression Supported Microphone Specs Microphones 4-Element MEMS Microphone, 360° Omnidirectional Array Sensitivity -32dB F594dB SPL@1KHZ SNR 64dBA Effective Voice Pickup Range 5 Meters (In conference rooms with low SNR, the actual voice pickup radius can be 5 meters or less) Speaker Specs Peak Power 5W Rated Output Power 3W Speaker Frequency Response 2412 ~20kHz	Image	2K			
TV Distortion < 1% Audio Specs Maximum Background Noise Suppression 24dB Full-Duplex When the gap of acoustic intensity between the near-end and far-end is less than 50dB Echo-Cancellation Echo Cancellation > 30dB AGC Automatic Gain Control *Within 5-Meter Range Reverberation Suppression RT60<1s Al-based Speaker Detection Supported Al-based Noise-Suppression Supported Microphone Specs Microphones 4-Element MEMS Microphone, 360° Omnidirectional Array Sensitivity -32dB F594dB SPL@1KHZ SNR 64dBA Effective Voice Pickup Range 5 Meters (In conference rooms with low SNR, the actual voice pickup radius can be 5 meters or less) Speaker Specs Peak Power 5W Rated Output Power 3W Speaker Frequency Response 20Hz ~20kHz	FOV(H)	115°			
Audio Specs Maximum Background Noise Suppression 24dB Full-Duplex When the gap of acoustic intensity between the near-end and far-end is less than 50dB Echo-Cancellation Echo Cancellation ≥ 30dB AGC Automatic Gain Control *Within 5-Meter Range Reverberation Suppression RT60<1s	FOV(V)	59°			
Maximum Background Noise Suppression 24dB Full-Duplex When the gap of acoustic intensity between the near-end and far-end is less than 50dB Echo-Cancellation Echo Cancellation ≥ 30dB AGC Automatic Gain Control *Within 5-Meter Range Reverberation Suppression RT60<1s	TV Distortion	< 1%			
Suppression 240B Full-Duplex When the gap of acoustic intensity between the near-end and far-end is less than 50dB Echo-Cancellation Echo Cancellation ≥ 30dB AGC Automatic Gain Control *Within 5-Meter Range Reverberation Suppression RT60<1s	Audio Specs				
Echo-Cancellation		24dB			
AGC Automatic Gain Control *Within 5-Meter Range Reverberation Suppression RT60<1s Al-based Speaker Detection Supported Al-based Noise-Suppression Supported Microphone Specs Microphones 4-Element MEMS Microphone, 360° Omnidirectional Array Sensitivity -32dB FS94dB SPL@1KHZ SNR 64dBA Effective Voice Pickup Range 5 Meters (In conference rooms with low SNR, the actual voice pickup radius can be 5 meters or less) Speaker Specs Peak Power 5W Rated Output Power 3W Speaker Frequency Response 20Hz ~20kHz	Full-Duplex	When the gap of acoustic intensity between the near-end and far-end is less than 50dB			
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Al-based Noise-Suppression Supported Microphone Specs Microphones 4-Element MEMS Microphone, 360° Omnidirectional Array Sensitivity -32dB FS94dB SPL@1KHZ SNR 64dBA Effective Voice Pickup Range 5 Meters (In conference rooms with low SNR, the actual voice pickup radius can be 5 meters or less) Speaker Specs Peak Power SW Rated Output Power 3W Speaker Frequency Response 20Hz ~20kHz	Reverberation Suppression	RT60<1s			
Microphones 4-Element MEMS Microphone, 360° Omnidirectional Array Sensitivity -32dB FS94dB SPL@1KHZ SNR 64dBA Effective Voice Pickup Range 5 Meters (In conference rooms with low SNR, the actual voice pickup radius can be 5 meters or less) Speaker Specs Peak Power 5W Rated Output Power 3W Speaker Frequency Response 20Hz ~20kHz	AI-based Speaker Detection	Supported			
Microphones 4-Element MEMS Microphone, 360° Omnidirectional Array Sensitivity -32dB FS94dB SPL@1KHZ SNR 64dBA Effective Voice Pickup Range 5 Meters (In conference rooms with low SNR, the actual voice pickup radius can be 5 meters or less) Speaker Specs Peak Power 5W Rated Output Power 3W Speaker Frequency Response 20Hz ~20kHz	Al-based Noise-Suppression	Supported			
Sensitivity -32dB FS94dB SPL@1KHZ SNR 64dBA Effective Voice Pickup Range 5 Meters (In conference rooms with low SNR, the actual voice pickup radius can be 5 meters or less) Speaker Specs Peak Power 5W Rated Output Power 3W Speaker Frequency Response 20Hz ~20kHz	Microphone Specs				
SNR 64dBA Effective Voice Pickup Range 5 Meters (In conference rooms with low SNR, the actual voice pickup radius can be 5 meters or less) Speaker Specs Peak Power 5W Rated Output Power 3W Speaker Frequency Response 20Hz ~20kHz	Microphones	4-Element MEMS Microphone, 360° Omnidirectional Array			
Effective Voice Pickup Range 5 Meters (In conference rooms with low SNR, the actual voice pickup radius can be 5 meters or less) Speaker Specs Peak Power 5W Rated Output Power 3W Speaker Frequency Response 20Hz ~20kHz	Sensitivity	-32dB FS94dB SPL@1KHZ			
Speaker SpecsPeak Power5WRated Output Power3WSpeaker Frequency Response20Hz ~20kHz	SNR	64dBA			
Peak Power 5W Rated Output Power 3W Speaker Frequency Response 20Hz ~20kHz	Effective Voice Pickup Range	5 Meters (In conference rooms with low SNR, the actual voice pickup radius can be 5 meters or less)			
Rated Output Power 3W Speaker Frequency Response 20Hz ~20kHz	Speaker Specs				
Speaker Frequency Response 20Hz ~20kHz	Peak Power	5W			
	Rated Output Power	3W			
Speaker Volume 90dB SPL @0dB 1kHz at 0.5m	Speaker Frequency Response	20Hz ~20kHz			
	Speaker Volume	90dB SPL @0dB 1kHz at 0.5m			
THD <=1%	THD	<=1%			
Configuration Requirements					
PC Windows or Linux, Mac OS with USB Connection Supported		Supported			
Input / Output					
USB Power Supply 5V/500mA	USB Power Supply	5V/500mA			

uniarch		DATASHEET		
Data Transmission over USB Type-C	Supported			
USB 2.0	Supported			
Installation Method				
Desktop	Supported			
Appearance Color				
White	Supported			
Weight				
Net Weight	635g			
Gross Weight	1277g			
Dimensions				
Product Dimensions	270mm(H)*110mm(Φ)			
Package Dimensions	335mm(L)*145mm(W)*125mm(H)			

Dimensions



Zhejiang Uniview Technologies Co., Ltd.

Building No.10, Wanlun Science Park, Jiangling Road 88, Binjiang District, Hangzhou, Zhejiang, China (310051)

Email: overse as business @uniview.com; global support @uniview.com

http://www.uniview.com

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*Product specifications and availability are subject to change without notice.