



RIPA C60 INTELLIGENT MEETING ORCHESTRATOR

Version 5.1

Data Sheet

Ripa Technologies Pty Ltd

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PRODUCT SUMMARY

Ripa C60 Intelligent Meeting Orchestrator is a powerful video and audio CODEC. It is designed to process multiple streams of 4K video and high-quality audio. The intelligent firmware is the best in class in industry. It is proven in large scale deployment with stability and crisp efficiency, couples with highly optimised SIP/H323 protocol stacks, delivers the ultra-sharp video quality and an intelligent echo cancellation and noise prohibition audio experience.

Ripa C60 is the only SIP/H323 CODEC in the market offers third-party extensibility. Both Ripa and third-party developers are taking advantage of C60's powerful API to innovate large number of value-add features. Today, Ripa C60 offers AI driven video gesture control, intelligent voice and group tracking. In future, Ripa is planning to develop AI enabled multi camera orchestration, natural voice activation and others features.



Figure 1: C60 Intelligent Meeting Orchestrator

FEATURE HIGHLIGHTS

C60 offers a mature list of SIP/H.323 CODEC features:

- **SIP and H.323 protocols:** supports both SIP and H.323 protocols.
- **Triple Screen Display:** It supports triple channel HDMI output, able to process video to display full screen from all three streams simultaneously.
- **4 LAN ports:** support 3 IP based cameras or peripherals and 1 LAN for enterprise switch
- **Audio Processing:** support Automatic Echo Cancellation (AEC), Automatic Gain Control (AGC), Automatic Noise Suppression (ANS)
- **Multiple Video Compression Standard:** It supports H.263/H.264 video compression.
- **Chromas key:** support to display an image as your background during a meeting, which can provide you with more privacy or a consistent. This feature must be purchased separately on initial order.

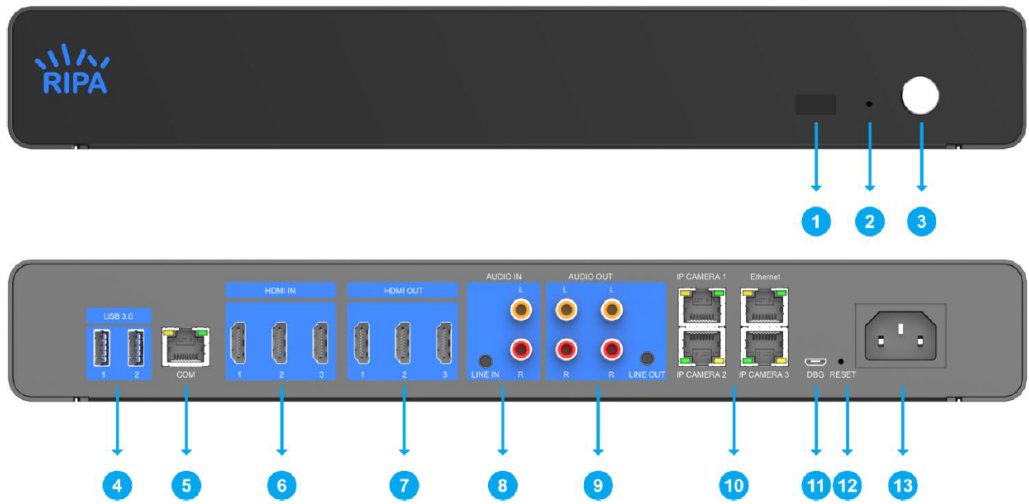
Extensibility: Open API for all camera control functions, ample process power and other resources for value-add features.



TECHNICAL SPECIFICATIONS

Technical Specification		
Package includes:		
+ RIPA C60 Codec		
+ Remote control		
+ Cable bundle		
Module	Function	Description
System Interface		Support system interface customization
Resolution		Up to 4K 30 fps (People and Content)
Feature Highlights		<ul style="list-style-type: none"> • Allow HDMI input for content sharing or as camera input, including video and audio. • Displays the near-end camera in full-screen mode during the meetings. • Allows automatic or manual start content sharing. • Supports camera presets via remote control and web-based management. • Power on/off button available on the device chassis. • Power on/off control via remote control. • Allows changing the meeting room background. • Supports IP camera connectivity (Video over IP).
Audio	Audio Processing	Auto Echo Cancellation (AEC) Auto Gain Control (AGC) Auto Noise Suppression (ANS)
	Audio Codec	G.711(a/μ), G.719, G.722, G.722.1, G.722.1, AAC, OPUS
Controller	Remote Control	Infrared Remote Control
Codec	Format	H.261, H.263, H.263+, H.264, H.264 High Profile, H.239, BFCP (Content Sharing)
Network		IPv4, IPv6, Bandwidth: up to 4Mbps. Lost Packet Recovery
Security		Algorithms: AES (128 – 256 bit) for Media SIP and H.323, Authenticated access
Interface	Image Interface	3x HDMI 4K OUT, Support triple-screen display
	Content Interface	3x HDMI IN support upto 4Kp30
	USB	2x USB 3.0/2.0 support upto 4Kp30 1x Micro USB debugging port
	Audio Jack	1x 3.5mm line out 2x Dual RCA line out 1x 3.5mm audio input 1x Dual RCA linein
	Network Port	4 x 10/100/1000M RJ45
	Wall Mount Bracket	Wall/Ceiling Mount Brackets (Optional)

PRODUCT IMAGE LIBRARY



No.	Description	Remark
1	IR Receiver	1x IR receiver, for remote control reception
2	Indicator	1x Three-colour LED, red/green/blue
3	Power Switch	1x Physical power switch, for power on/off
4	USB	2x USB 3.0, USU-A, 5V/900mA use for connecting USB device
5	COM	1x RJ45 for serial communication
6	HDMI IN	3x Female HDMI port to connect with HDMI source. HDMI 1.4, resolution up to 4K@30Hz
7	HDMI OUT	3x Female HDMI port to connect with HDMI display. HDMI 1-2: HDMI 2.0, resolution up to 4K@60Hz, HDMI 1 supports CEC HDMI 3: HDMI 1.4, resolution up to 4K@30Hz
8	Audio IN	1x 3.5mm Stereo Line audio in t 1x Dual-RCA port, for audio in
9	Audio OUT	2x Dual-RCA port, for audio out 1x 3.5mm Stereo Line audio out
10	LAN	1x RJ45 port, for connecting Ethernet, 10/100/1000 3x RJ45 port for connecting IP camera, 10/100/1000
11	DBG	1x Micro-USB, USB 2.0, for debugging
12	RESET	1x Pressed button, for factory reset
13	Power	1x AC Power Input, 100–240VAC, 50/60Hz, 10A(Max)

Figure 2: C60 Front

ORDERING GUIDE

Ripa product code: RP-C60- 00680