

RIPA C50 INTELLIGENT MEETING ORCHESTRATOR

Version:Version:3.0

Data Sheet

Ripa Technologies Pty Ltd

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Ripa C50 Intelligent Meeting Orchestrator

PRODUCT SUMMARY

Ripa C50 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 C50's is the only SIP/H323 CODEC in the market offers third-party extensibility. Both Ripa and third- party developers are taking advantage of C50's powerful API to innovate large number of value-add features. Today, Ripa C50 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 C50 Intelligent Meeting Orchestrator

FEATURE HIGHLIGHTS

C50 offers a mature list of SIP/H.323 CODEC features:

- SIP and H.323 protocol stacks: supports both SIP and H.323 protocols.
- **Dual Screen Display:** It supports for dual channel HDMI output, able to process video to display full screen from both the main- stream and sub-stream simultaneously.
- Audio Processing: support Automatic echo elimination (AEC), Automatic gain control (AGC), Automatic noise suppression (ANS)
- Multiple Video Compression Standard: It supports for H.263/H.264 video compression.
- **Chroma:** 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 valueadd features.



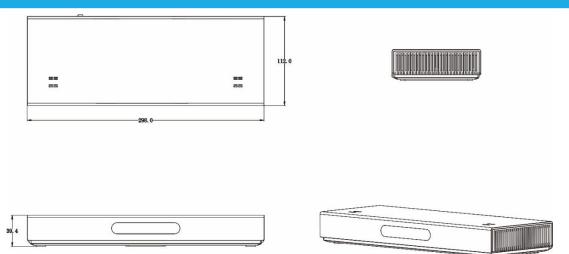
Ripa C50 Intelligent Meeting Orchestrator

TECHNICAL SPECIFICATIONS

Module	Function	Description	
Custom	System SOC RAM/ROM	RK3588	
System		8G/32G	
System Interface	Support system interface customization		
Resolution	Up to 1080/30 fps (People and Content)		
Audio	Mics	Built in 2x Electret Microphone	
	dio Audio Processing Audio Codec	Auto Echo Cancellation (AEC)	
		Auto Gain (AGC)	
		Auto Noise Suppression (ANS)	
		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.264HP. 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		
	Image Interface	2x HDMI OUT, HDMI 2.0, Support dual-screen display	
	Content Interface	1x HDMI IN, HDMI 2.0	
	USB	2x USB 3.0	
Interface		1x Micro USB debugging port	
	Audio Jack Network Port Power Interface	1x 3.5mm linear output	
		1x LINE IN Input, 3-pin Phoenix terminal	
		1x MIC IN Input, 3-pin Phoenix terminal (with phantor	
		power)	
		1x 10/100M RJ45	
		HEC3800 Power Socket (DC12V)	
	Wall Mount Bracket	Wall/Ceiling Mount Brackets (Optional)	



PRODUCT DEMENSION





ORDERING GUIDE

Ripa product code: RP-C50- 00680