RIPA C50 INTELLIGENT MEETING ORCHESTRATOR

Version:Version:1.1

Data Sheet

Ripa Technologies Pty Ltd

CONTENTS

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

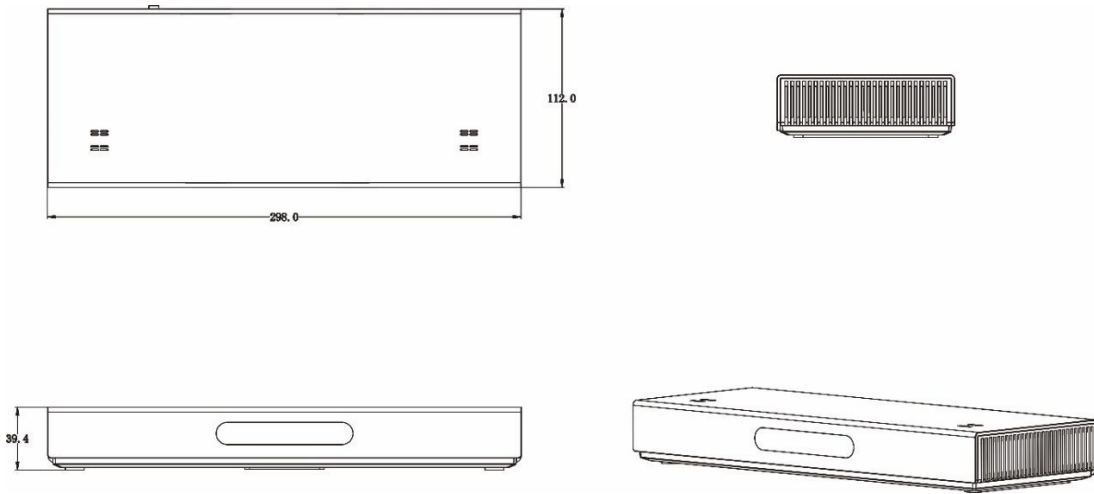C50 offers a mature list of SIP/H.323 CODEC features:

- **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.

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

TECHNICAL SPECIFICATIONS

Technical Specification		
Module	**Function**	**Description**
System	SOC	RK3588
	RAM/ROM	8G/32G
System Interface	Support system interface customization	
Resolution	Up to 1080/30 fps (People and Content)	
Audio	Mics	Built in 2x Electret Microphone
	Audio Processing	Auto Echo Cancellation（AEC） Auto Gain（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.264HP
Network	IPv4, IPv6	
Interface	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 1x Micro USB debugging port
	Audio Jack	1x 3.5mm linear output 1x LINE IN Input, 3-pin Phoenix terminal 1x MIC IN Input, 3-pin Phoenix terminal（with phantom power）
	Network Port	1x 10/100M RJ45
	Power Interface	HEC3800 Power Socket (DC12V)
	Wall Mount Bracket	Wall/Ceiling Mount Brackets (Optional)

PRODUCT DEMENSION

Ripa C50 Intelligent Meeting Orchestrator

PRODUCT IMAGE LIBRARY

Figure 2 C50 Front

Figure 3 C50 Back

ORDERING GUIDE

Ripa product code: RP-C50- 00680