RIPA C50 INTELLIGENT MEETING ORCHESTRATOR

Version:5.0

August, 2025

Data Sheet

RipaTech Pty Ltd

CONTENTS

PRODUCT SUMMARY

Ripa C50 Intelligent Meeting Orchestrator is an industry standard video and audio CODEC. It is designed to process high quality 4K video and high-quality audio with multiple Input/Outputs for integrators. The intelligent firmware and high spec CPU make this CODEC one the most cost effective in the industry with future proven technologies.

C50 is ideally used in the large and complex meeting room where dual display panels and multiple cameras/audio systems are installed to communicate with remote meeting participants.

Figure 1 C50 Intelligent Meeting Orchestrator
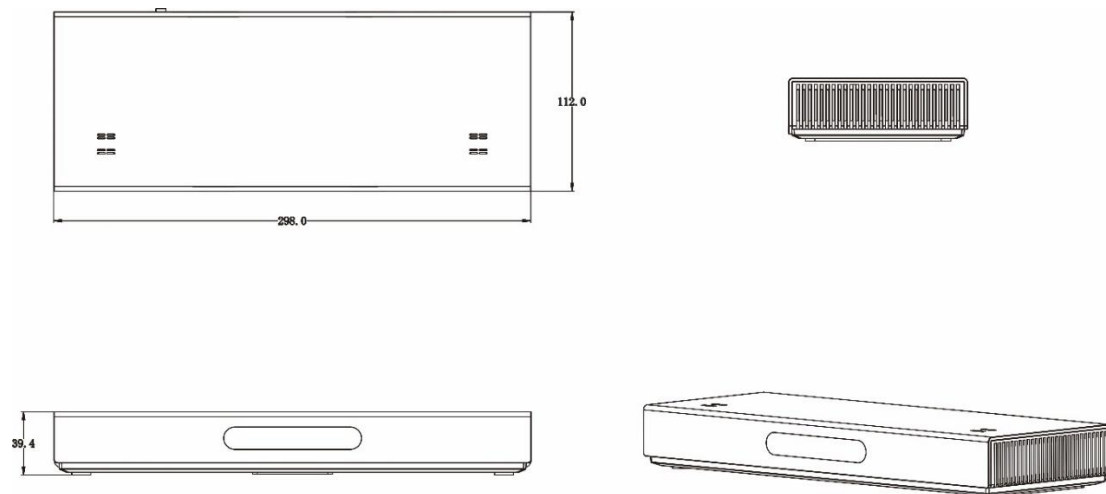
FEATURE HIGHLIGHTS

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

- **SIP and H.323 protocol stacks:** supports both SIP and H.323 protocols.
- **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.

TECHNICAL SPECIFICATIONS

C50 Technical Specification		
Module	**Function**	**Description**
System	SOC	RK3588
	RAM/ROM	8G/32G
System Interface	Support system interface customization	
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, , H.239, BFCP (content sharing)
Network	IPv4, IPv6 : up to 4Mbps. Lost Packet Recovery	
Security	Algorithms: AES (128 – 256 bit) for Media SIP and H.323, Authenticated access, TLS	
Interface	Image Interface	2x HDMI OUT, HDMI 2.0, Support dual-screen displays
	Content Interface	1x HDMI IN, HDMI 2.0
	USB	4x USB 3.0/2.0 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/1000M RJ45
	Power Interface	HEC3800 Power Socket (DC12V)
	Wall Mount Bracket	Wall/Ceiling Mount Brackets (Optional)

Ripa C50 Intelligent Meeting Orchestrator

PRODUCT DEMENSION

PRODUCT IMAGE LIBRARY

Figure 2 C50 Front

Figure 3 C50 Back

ORDERING GUIDE

RipaTech product Model: RIPA C50