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QG-1169H Datasheet

Integrated Management Host (1U, cloud linking)

Overview

The unit is a 1U integrated management host for meeting rooms and courtrooms. Video switching, digital audio processing, programmable control, multi-task recording, point-to-point interaction and a built-in multiparty conference run in one chassis. A PC joins over one Type-C cable, and the host feeds the cloud meeting software a composed view plus the mix over Type-B as a UVC device.

Key Features and Benefits

Local and cloud in one box

A PC joins over one Type-C cable, and the host feeds the cloud meeting software a composed view plus the mix over Type-B as a UVC device.

5 x in, 4 x out at 4K60

Five HDMI inputs plus one Type-C input, four HDMI outputs including the direction GUI, with LAN1 and LAN2 physically isolated.

14 by 8 digital audio

Eight microphone inputs with 48 V phantom, feedback removal, echo cancellation, noise suppression, voice changing and matrix mixing.

Multi-task recording

Four recording tasks in parallel, five channels of recording, 2 TB expandable to 8 TB, at least five concurrent on-demand viewers.

Built-in six-party conference

Registers over H.323 and SIP, six-way interaction over RTSP and SIP, interoperable with mainstream terminals and MCUs.

Three management surfaces

Browser, client software and local GUI, remote-hand control, 29 layouts and 12 transitions.

Specifications

Enclosure and structure	
·	1U chassis, 440 x 290 x 45 mm, under 10 kg
·	ARM Cortex A76 quad-core 2.4 GHz plus A55 quad-core processor
·	LED display and four status indicators on the front panel
·	Full load under 50 W, AC 220 V supply
Paths and capacity	
·	Five HDMI inputs plus one Type-C input, up to 4K60
·	Four HDMI outputs, one carrying the direction GUI
·	One Type-B output feeding the cloud meeting software a composed view and mix as a UVC device
·	LAN1 main port and LAN2 isolated port for two separate networks
·	Four USB device ports and two keyboard and mouse ports
Audio processing	
·	Eight microphone inputs with 48 V phantom power
·	Two stereo line inputs and four line outputs
·	14 by 8 digital audio processor with feedback removal, echo cancellation, noise suppression

	and voice changing
·	Matrix mixing and grouping across any channels
Imaging and layout	
·	Three composed views, 29 layout templates, 4K or 1080p output
·	12 transition effects
·	Caption, station logo, opening and closing titles and logo overlay
·	Face mosaic privacy masking with adjustable position and transparency
Encoding and recording	
·	H.265 and H.264 video, 8 channels of 1080p30 encoding including 3 composition channels
·	6 channels of 1080p30 decoding including local playback with fast forward and scrubbing
·	Up to four recording tasks in parallel, five channels of recording
·	Audio codecs G.711A, G.711U, MP3, AAC and PCM, sample rate 8 to 48 kHz
·	2 TB built in, expandable to 8 TB
·	On-demand playback for at least five concurrent viewers, files browsable, downloadable and deletable
Streaming and management	
·	Streaming protocols TCP, UDP, RTSP, RTP, RTMP, ONVIF, H.323, SIP and TS
·	Built-in six-party MCU, six-way interaction over RTSP and SIP
·	Browser, client software and local GUI management, remote hand control of the GUI
·	Programmable control: six RS-232/RS-485 ports, two relays, one I/O, IR send and learn
·	Recording status shows duration, resolution, frame rate, host IP and drive capacity in real time

Interfaces

Port	Qty	Connector	Typical use
HDMI inputs	5	HDMI Type-A	Cameras, casting, office PCs
Type-C input	1	USB-C	PC one-cable link, shares HDMI 5
HDMI outputs	4	HDMI Type-A	Main screen, side screen, GUI
Type-B output	1	USB-B, UVC	Composed view and mix to meeting software
Microphone inputs	8	Balanced, 48 V phantom	Desk microphones
Line inputs	2	RCA stereo	External audio sources
Line outputs	4	Terminal block	Amplifier, active speakers
Control	6 / 2 / 1	RS-232 or RS-485 / relay / IO	Peripherals and door control
Network	2	RJ45	LAN1 management, LAN2 isolated media

In the Box

Host unit: 1, aged and self-tested before packing

Power cord: 1 standard cord; adapter models ship with one external adapter

Rack hardware: One pair of ears; portable models ship with the handle fitted

Quick start: 1, wiring and first power-on steps

Certificate: 1, printed with the serial number

Storage drive: 1, already fitted, capacity in the specifications

Installation Environment

Operating temperature: 0 C to 40 C

Operating humidity: 10% to 90%, non-condensing

Storage temperature: -20 C to 60 C

Altitude: up to 3000 m

Clearance: 100 mm at intake and exhaust, unobstructed in the rack

Grounding: Rack ground resistance 4 ohm or less, conductor 1.5 mm2 or larger

Ordering Information

Model	Description
QG-1169H	Integrated management host, 5 x in, 4 x out, Type-C and Type-B cloud linking

Company Information

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