

KONTROL 3232DAN

32 X 32 DSP Audio Matrix with
DANTE and USB audio



FEATURES

- **Powerful ADI Sharc 1.0GHz processor**
- **16 channels analogue input / 16 channels analogue output**
- **32 X 32 DANTE network audio (expandable up to 64X64)**
- **2 X 2 USB audio for easy integration with MS Teams, ZOOM or skype**
- **Auto Echo Cancellation (AEC)**
- **Automatic Mixing (AMC)**
- **Automatic Gain Control (AGC)**
- **Full fledged matrix functionality**
- **Camera control for most of the camera protocols**
- **8 band PEQ on all inputs and outputs**
- **Wall control panel integration via RS485**

The Alpha Acoustics® KONTROL 3232 is a full fledged matrix DSP with enormous capabilities. The processor has built in echo cancellation and noise suppression, gain control and automatic mixing capabilities. The Powerful ADI SHARC 21569 processor operates with a maximum operating frequency of 1.0GHz, making it a very powerful DSP. The software enables quick selection and control of functions and also can be controlled from a tablet.

KONTROL 3232DAN SPECIFICATIONS

Processor	32 bit floating-point DSP 1.0GHz
Number of I/O	16 In / 16 out (analogue balanced) 32 in / 32 out (DANTE) (expandable up to 64X64)
Sample Rate	48 kHz / 24 bit
System delay	< 1 ms
Max Input level	17 dBu/Line, -3dBu/Mic, 20dB gain
Cross talk	≤ 100 dB
Phantom power	+48VDC, 6.5mA, for each channel
Output impedance	150Ω
Frequency response	20Hz-20kHz (+/-0.5dB)/Line
THD + Noise	-90dB(@17dBu,1kHz,A-wt)/Line, -90dB(@-6dBu,1kHz,A-wt)/Mic 0.003% @(17dBu,1kHz,A-wt)/Line, 0.005% @(-6dBu,1kHz,A-wt)/Mic
Crosstalk	<112 dB
SNR	110dB(@17dBu,1kHz,A-wt)/Line 100dB(@-6dBu,1kHz,A-wt)/Mic
E.I.N	≤ 127 dB with 150Ω
Dynamic Range	>118 dB
Ports	USB Type B (Control and PC Audio) RJ45 (TCP/IP), RS 485, RS 232, GPIO
GPIO Control Interface	8 logic inputs/outputs and 7 voltage input controls
Power supply	100 - 240 V AC , 50 Hz / 60 Hz
Dimensions	483mm x 265mm x 44mm
Operating temperature	-20°C~80°C
Net weight	3.8 Kg

APPLICATIONS

Conference rooms / Shopping malls / Office buildings

**Specifications subject to change without notice. 01/2023*

Head Office

Alpha Acoustics
Vinecká 1,
293 01 Mladá Boleslav
Czech Republic
info@alphacoustics.com

EMEA Office

Alpha Acoustics DWC-LLC
BUILDING A3, Office No. DLC-BC-A3-3-OSSD6-04
Dubai South Business Center,
Dubai Logistics City
Dubai, United Arab Emirates