VAC-5000HD

HDMI Distribution Amplifier

IDK

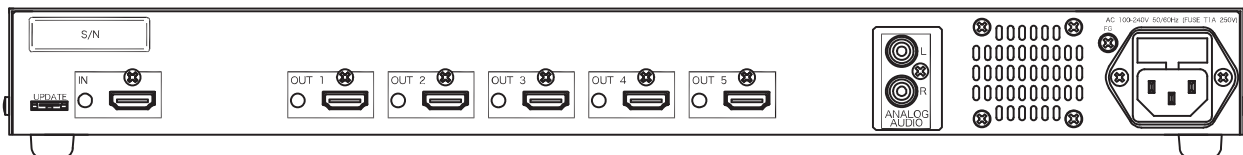*with your vision, Always.*

The IDK VAC-5000HD is an HDMI distribution amplifier for distributing HDMI video and audio to 5 monitors simultaneously. Since TMDS signals are automatically equalized at the input, signal degradation due to the cable can be minimized. The VAC-5000HD is ideal for applications that require the distribution of an HDMI source signal to multiple monitors. The VAC-5000HD has a seven-segment LED status check function, which is useful for field support.

FRONT & REAR PANEL

FEATURES

Video:
- Up to QWXGA (RB)* or 1080p   *(RB) = Reduced Blanking
- Built-in digital cable EQ
    - INPUT: Up to 33ft. to 99ft. approx. (10m to 50m)
    - OUTPUT: Up to 33ft. to 165ft. approx. (10m to 50m)
- Anti-snow

Audio:
- D/A conversion (de-embedded audio from HDMI signal)

Others:
- Seven-segment LED signal status check
- Connection Reset
- EDID emulation
- DDC buffer
- HDCP

CONNECTION DIAGRAM

Digital Video
HDMI DVI
(HDCP)   **1** Input

Up to 165 ft. approx.
(50 m)

VAC-5000HD
(5 distributions)

Up to 165 ft. approx.
(50 m)

Digital Video
HDMI DVI
(HDCP)   **5** Outputs

Analog Audio
L/R Unbalanced
1 Output

Input	Video	Digital	Number / Signal	1 input / HDMI, DVI 1.0 (HDCP 1.4) TMDS single link, TMDS clocks: 25 MHz to 225 MHz
			Connector	1 female HDMI Type A
		Others		Color depth : 24 bit, 30 bit, 36 bit Deep Color
		Formats		480i / 480p / 576i / 576p / 720p / 1080i / 1080p
				VGA to QWXGA * WUXGA / QWXGA: Reduced Blanking
	Audio	Digital	Number / Signal	1 input / Multi-channel linear PCM up to 8 channels
				Sampling frequency: 32 kHz to 192 kHz, Sample Size: 16 bit to 24 bit
				Reference level:-20 dBFS, Max. input level: 0 dBFS
			Connector	1 female HDMI Type A
Output	Video	Digital	Number / Signal	5 outputs / HDMI, DVI 1.0 (HDCP 1.4) TMDS single link, TMDS clocks: 25 MHz to 225 MHz
			Connector	5 female HDMI Type A
		Others		Color depth: 24 bit, 30 bit, 36 bit Deep Color
		Formats		480i / 480p / 576i / 576p / 720p / 1080i / 1080p
				VGA to QWXGA * WUXGA / QWXGA: Reduced Blanking
	Audio	Digital	Number / Signal	5 outputs / Multi-channel linear PCM up to 8 channels Sampling frequency: 32 kHz to 192 kHz, Sample Size: 16 bit to 24 bit
				Reference level:-20 dBFS, Max. input level: 0 dBFS
			Connector	5 female HDMI Type A
		Analog	Number / Signal	1 output / stereo LR unbalanced signals
				Output impedance: 75 Ω, Reference level: -10 dBu, Max. output level: +10 dBu
			Connector	1 RCA jack
Plug & Play				DDC2B*Selectable from preset EDID / EDID copied from the monitor / EDID of the destination monitor * Built-in EDID: the maximum resolution can be selected.
Automatic cable equalization				Input: Up to 165 ft. approx. (50 m) Output: Up to 165 ft. approx. (50 m)
Functions				Input and output cable equalization, Anti-snow, De-embedded audio from HDMI signal, DDC buffer, 7- segment LED signal status check, Connection Reset
Others		Power		100 - 240 VAC ± 10%, 50 Hz / 60 Hz ± 3 Hz
		Power consumption		About 15 Watts
		Dimensions		16.93(W) × 1.73(H) × 7.87(D)" approx. (430(W) × 44(H) × 200(D) mm) (EIA rack 1U, not including projections)
		Weight		5.51 lbs. approx. (2.5 kg)
		Temperature		Operating temperature: 32°F to 104°F (0°C to +40°C) Storage temperature: -4°F to +176°F (-20°C to +80°C)
		Humidity		Operating / Storage humidity: 20% to 90% (Non Condensing)

STANDARD PRESET RESOLUTIONS

No.	Resolution	Pixels	Standard
1	EXTERNAL (External EDID)	-	-
2	COPY DATA	-	-
3	1080p (59.94/60)	(1920x1080)	HDTV
4	720p	(1280x720)	HDTV
5	1080i	(1920x1080)	HDTV
6	1080p (24/25/30/50)	(1920x1080)	HDTV
7	SVGA	(800x600)	VESA
8	XGA	(1024x768)	VESA
9	VESA720	(1280x720)	CVT
10	WXGA	(1280x768)	VESA
11	WXGA	(1280x800)	VESA
12	Quad-VGA	(1280x960)	VESA
13	SXGA	(1280x1024)	VESA
14	WXGA	(1360x768) / (1366x768)	VESA
15	SXGA+	(1400x1050)	VESA
16	WXGA+	(1440x900)	VESA
17	WXGA++	(1600x900)	VESA
18	UXGA	(1600x1200)	VESA
19	WSXGA+	(1680x1050)	VESA
20	VESA1080	(1920x1080)	CVT
21	WUXGA	(1920x1200)	VESA
22	QWXGA	(2048x1152)	VESA

* No.17, No.20, No.21 and No.22: Reduced Blanking