VAC-1000HD

HDMI Distribution Amplifier

IDK

with your vision, Always.

The IDK VAC-1000HD is an HDMI distribution amplifier for distributing HDMI video and audio to 10 monitors simultaneously. Since TMDS signals are automatically equalized at the input, signal degradation due to the cable can be minimized. The VAC-1000HD is ideal for applications that require the distribution of an HDMI source signal to multiple monitors.
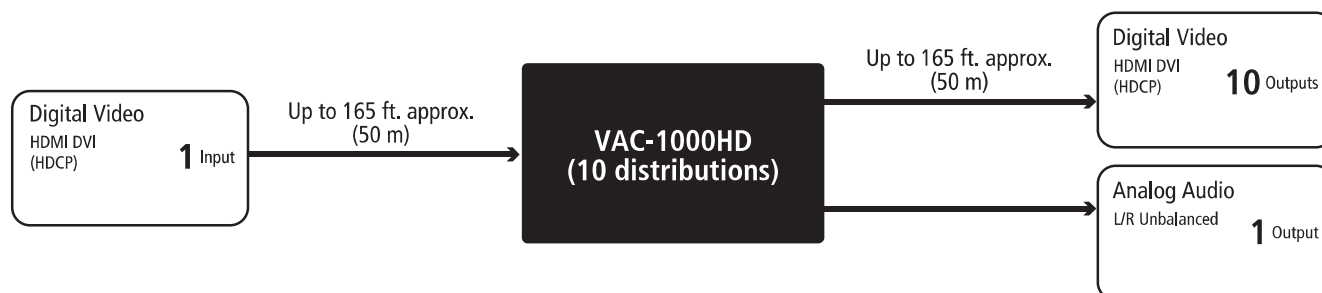
FRONT & REAR PANEL

FEATURES

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

Audio:
- Anti-snow

Others:
- D/A conversion (de-embedded audio from HDMI signal)
- 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-1000HD
(10 distributions)**

Up to 165 ft. approx.
(50 m)

Digital Video
HDMI DVI
(HDCP)   **10** Outputs

Analog Audio
L/R Unbalanced   **1** Output

SPECIFICATIONS

Input	Video		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: Dot clock: 25 MHz to 165 MHz * WUXGA / QWXGA: Reduced Blanking
	Audio		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
			Connector	1 female HDMI Type A
Output	Video		Number / Signal	10 outputs / HDMI, DVI 1.0 (HDCP 1.4) TMDS single link, TMDS clocks: 25 MHz to 225 MHz
			Connector	10 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: Dot clock: 25 MHz to 165 MHz * WUXGA / QWXGA: Reduced Blanking
	Audio	Digital	Number / Signal	10 outputs / Multi-channel linear PCM up to 8 channels Sampling frequency: 32 kHz to 192 kHz, Sample Size: 16 bit to 24 bit
			Connector	10 female HDMI Type A
		Analog	Number / Signal	1 output / stereo LR unbalanced signals
			Connector	1 RCA jack
Plug & Play				Supports DDC2B (Selectable from preset EDID / EDID copied from the monitor / EDID of the destination monitor)
				* Built-in EDID: the maximum resolution can be selected.
Cable equalization				Input: Up to 165 ft. approx. (50 m) (Automatic), Output: Up to 165 ft. approx. (50 m) (Manual)
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 35 Watts
			Dimensions	16.93(W) × 1.73(H) × 9.84(D)" approx. (430(W) × 44(H) × 250(D)mm) (EIA rack 1U, not including projections)
			Weight	6.613 lbs. approx. (3.0 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