

# VAC-1000HD



## HDMI Distribution Amplifier

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.

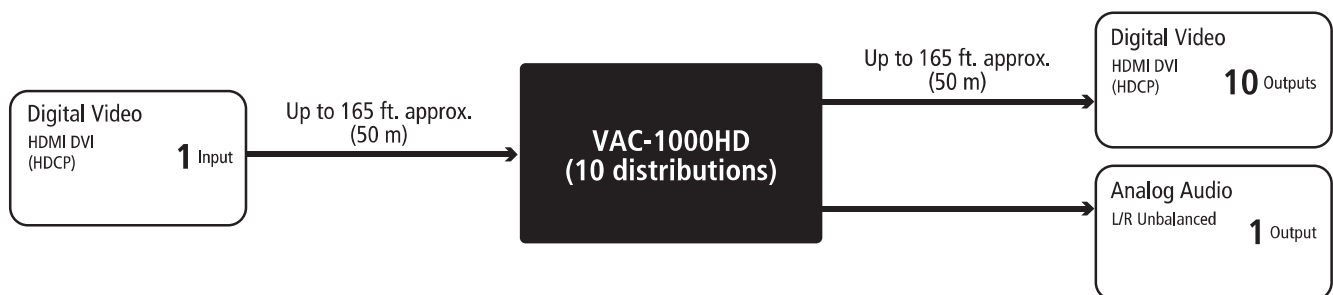
### FRONT & REAR PANEL



### 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



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## 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
		Analog	Number / Signal	1 output / stereo LR unbalanced signals
Plug & Play		Connector	1 RCA jack	
Cable equalization		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.		
Functions		Input: Up to 165 ft, approx. (50 m) (Automatic), Output: Up to 165 ft, approx. (50 m) (Manual)		
Others		Input and output cable equalization, Anti-snow, De-embedded audio from HDMI signal, DDC buffer, 7-segment LED signal status check, Connection Reset		
	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