

1000 cd/m² brightnessFC CE UK
CA

REACH



Key Benefits

- ▶ 1920 x 1080 FHD resolution support
- ▶ High brightness 1000 cd/m²
- ▶ 16.7M colors (8-bit)
- ▶ HDMI 1.4 + VGA video input
- ▶ Rugged structure ensures high mobility
- ▶ Professional-use durability & around-the-clock operation
- ▶ TAA Compliant

Options

- Dual stereo speakers for HDMI (**HS4.4**)
- DVI-D + Audio + Speakers (**DV4.4**)
- DP-1.0 + HDMI 2.0 + Audio + Speakers (**DP**)
- BNC + Audio IN + Speakers (**BNC**)
- 3G / HD / SD-SDI Broadcast-grade input + Speakers (**SDI**)
- Multi-display control over serial (**MCS**)
- MIL-lockable DC jack
- Touchscreen : Resistive 1-pt
- DC power : 12V / 24V / 48V / 125V / 250V

Product Specifications

LCD Panel	
Brightness (cd/m ²)	1000
Contrast ratio (typ.)	5000 : 1
Colors	16.7 colors (8-bit)
Viewing angle (L/R/U/D)	89/89/89/89
Response time (ms)	25
Dot pitch (mm)	0.28
Active area (mm)	531.36 (H) x 298.89 (V)
MTBF (hrs)	50,000
Panel size (diagonal)	24-inch
Native resolution	1920 x 1080
Surface treatment	Anti-glare
Surface hardness	3H
Backlight type	LED

Video

Video input	HDMI 1.4 + VGA
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Video Option

Digital	DVI-D	DVI-D single link
	HDMI 2.0	HDMI 2.0 / HDCP 2.2
	Display port	DP 1.0 / HDCP 1.3
Analog	Composite (BNC)	NTSC & PAL

Audio Option

Audio input :	
Connector	3.5mm stereo jack
Impedance / Power level	30kΩ / 750mV
Audio output :	
Connector	3.5mm stereo jack
Resistance / Power level	30kΩ / 2.8V
Speaker :	
Dual stereo speaker	2W x 2

*When the audio output is connected, speaker output is OFF

Power

Input	Auto-sensing 100 to 240VAC, 50 / 60Hz
Consumption :	
Screen on	Max. 54W
Power saving mode	Max. 2W
Power button off	Max. 1W

HF24"	HAP-F24	HNAP-F24	HDP-F24	HOP-F24
Product mm	631.2 x 70.1 x 400.3		601.2 x 65.6 x 370.3	628.2 x 63.6 x 397.3
(W x D x H) : inch	24.9 x 2.8 x 15.8		23.7 x 2.6 x 14.6	24.7 x 2.5 x 15.6
Net weight	10.9 kg / 24 lb	12.4 kg / 27.3 lb	10 kg / 22 lb	9 kg / 19.8 lb
Packing mm	701 x 121 x 685			
(W x D x H) : inch	27.6 x 4.8 x 27			
Gross weight	14.7 kg / 32.3 lb	16.2 kg / 36.5 lb	13.7 kg / 30.1 lb	12.7 kg / 27.9 lb

Environment

Operating	0 to 55°C degree
Storage temp.	-20 to 60°C degree
Operating humidity	10~90%, non-condensing
Storage humidity	5 ~90%, non-condensing
Operating altitude	16,000 ft
Non-operating altitude	40,000 ft
Shock	10G acceleration (11ms duration)
Vibration	10~300Hz 0.5G RMS random vibration

Compliance

EMC	FCC & CE
Safety	CE / LVD & UKCA
Environment	REACH & RoHS3 / WEEE

e-Resistive 1-point Touch

Technology	5-Wire Resistive
Touch Point	Single
Input Type	Finger or Stylus
Resolution	2048 x 2048
Response Speed	15 ms
Activation Force	<= 50 g
Surface Hardness	3H
Light Transmission	80% ± 3%
Haze	8% ± 3%
Durability	10 million touches
Top Layer	ITO Film
Bottom Layer	ITO Glass
Thickness	3.2 ± 0.2 mm
Connector	USB Type A
Compatibility	Windows 7 / XP / Linux / Mac

