

Key Benefits

- ▶ 1920 x 1080 native FHD resolution
- ▶ 16.7 million colors
- ▶ HDMI 1.4 & VGA video input
- ▶ DP / HDMI 2.0 / DVI-D video input (option)
- ▶ Video decoding capability up to 1080p (option)
- ▶ Rugged structure ensures high mobility
- ▶ IP65 front protection (option)
- ▶ Professional-use durability & around-the-clock operation

Applications

- Broadcasting / Advertising
- Traffic control / Command center
- Directory / Ticket kiosk
- Surveillance system
- Vehicle mount display
- Bathroom TV

**Options****Video Management & Transmission over Network**

- Sunlight readable panel
- HDMI decoder & extender
- HDMI quad display 1080p
- Multi monitor OSD control module
- 3G / HD / SD-SDI input module
- Auto dimming
- Manual dimming

Bezel & Frame Customization

- Dimension
- Color & Treatment
- Screen Printing
- Stainless Steel Bezel

Touchscreen & Glass Protection

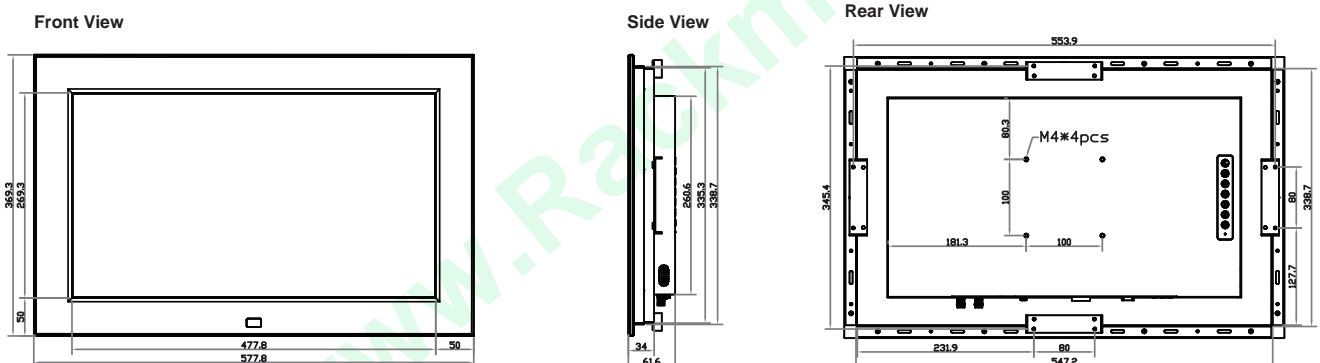
- Resistive 1-point Touch
- Capacitive 1-point Touch
- Projected Capacitive 10-point Touch
- IP65 front protection
- Anti-reflective Glass
- Vandal Proof Glass

DC Power & connector

- 12V / 24V / 48V / 110V / 125V / 250VDC
- MIL-type or lockable connector

Mounting

- VESA mount kit
- Desktop stand
- Wall mount

Diagrams (mm)

Product Specifications

LCD Panel	ID-E21Aw	ID-HE21Aw
Panel size (diagonal)	21.5"	
Native resolution	1920 x 1080	
Brightness (cd/m ²)	250	1000
Contrast ratio (typ.)	1000 : 1	5000 : 1
Colors	16.7 M	
Viewing angle (L/R/U/D)	85/85/80/80	
Response time (ms)	5	
Dot pitch (mm)	0.248	
Display area (mm)	476.64H x 268.11V	
Surface treatment	Haze 25%, Hard-coating	Anti-glare
Surface hardness	3H	
Backlight type	LED	
MTBF (hrs)	30,000	50,000

Video	
VGA	Analog 0.7Vp-p
HDMI	HDMI 1.4 / HDCP 1.4

Video Option	
Display port	DP1.0 / HDCP 1.3
HDMI	HDMI 2.0 / HDCP 2.2
DVI-D	DVI-D single link
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	ID-E21Aw	ID-HE21Aw
Input	Auto-sensing 100 to 240VAC, 50 / 60Hz	
Consumption :		
Screen on	Max. 28W	Max. 32W
Power saving mode	Max. 2W	Max. 2W
Power button on	Max. 1W	Max. 1W

Environment	
Operating temp.	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

Design	ID-E21Aw / HE21Aw	ID-E21AwN / HE21AwN
Protection	6mm front bezel	NEMA 4 / IP65
Front panel	Black, RAL 9005	
Rear casing	Black, RAL 9005	

Mounting	ID-E21Aw / ID-E21AwN / ID-HE21Aw / ID-HE21AwN
VESA mount	100 x 100 mm
Universal mount	-
Desktop stand	option
Wall mount	option

Physical	ID-E21Aw / ID-E21AwN / ID-HE21Aw / ID-HE21AwN
Product (W x D x H) :	
mm	577.8 x 61.6 x 369.3
inch	22.7 x 2.4 x 14.5
Net weight	9 kg / 19.8 lb

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

DVI-D / VGA input	HDMI input	Display port input
PC signal : 1920 x 1080 x 60Hz 1360 x 768 x 60Hz 1280 x 1024 x 60 / 75Hz 1280 x 960 x 60Hz 1280 x 768 x 60 / 75Hz 1152 x 864 x 75Hz 1024 x 768 x 60 / 70 / 75Hz 848 x 480 x 60Hz 800 x 600 x 60 / 72 / 75Hz 720 x 400 x 70Hz 640 x 480 x 60 / 72 / 75Hz 640 x 400 x 70Hz 640 x 350 x 70Hz	PC signal : Same as VGA HDMI 1.3 / 1.4 : 1920 x 1080 x 50 / 60Hz 1920 x 1080 x 25 / 30Hz 1280 x 720 x 50 / 60Hz 720 x 480 x 50 / 60Hz	PC signal : 1920 x 1080 x 60Hz 1600 x 1200 x 60Hz 1360 x 768 x 60Hz 1280 x 768 x 60 / 75Hz 1280 x 768 x 60Hz 1024 x 768 x 60 / 70 / 75Hz 800 x 600 x 60 / 72 / 75Hz 720 x 400 x 70Hz 640 x 480 x 60 / 72 / 75Hz
Audio signal : 2ch Linear PCM	Audio signal : 2ch Linear PCM	Audio signal : 2ch Linear PCM