



Key Benefits

- ▶ 20" LCD, 1600 x 1200 native resolution
- ▶ 16.7 M colors / 300 cd/m² brightness
- ▶ DVI-D + VGA video input
- ▶ 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

- Embedded HDMI Decoder Module 1080p over IP
- Embedded HDMI Extender Module 1080p over network
- Embedded HDMI Quad Display Module 1080p over network
- Embedded HDMI Quad Display Extension Module
- Embedded Multi Monitor OSD Control Module over serial
- Embedded 3G / HD / SD-SDI Input Module
- Embedded Brightness Dimming Module
- HDMI 1.2 / S-Video + BNC

Bezel & Frame Customization

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

Touchscreen & Glass Protection

- 5-Wire Resistive 1-point Touch
- Anti-reflective Glass
- Vandal Proof Glass

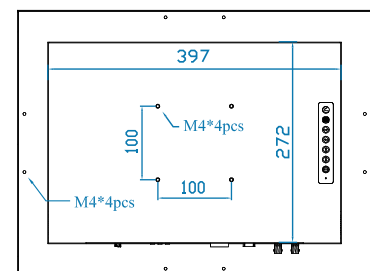
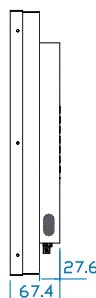
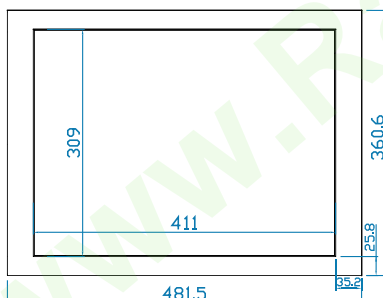
DC Power & connector

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

Mounting

- VESA mount kit
- Wall mount kit
- Desktop stand

Diagrams (mm)



Product Specifications

LCD Panel	
Panel size (diagonal)	20-inch widescreen TFT color LCD
Native resolution	1600 x 1200
Brightness (cd/m ²)	300
Contrast ratio (typ.)	800 : 1
Colors	16.7 M
Viewing angle (L/R/U/D)	89/89/89/89
Response time (ms)	16
Dot pitch (mm)	0.255
Display area (mm)	408H x 306V
Surface treatment	Anti-glare, Hard-coating
Surface hardness	3H
Backlight type	CCFL
MTBF (hrs)	45,000

Video	
VGA	Analog 0.7Vp-p
DVI	DVI-D single link

Video Option	
HDMI	HDMI 1.2 / HDCP 1.1
Composite (BNC)	NTSC & PAL
S-Video (4-pin)	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. 48W
Power saving mode	Max. 4W
Power button on	Max. 1W

Environment	
Operating temp.	0 to 55°C degree
Storage temp.	-20 to 60°C degree
Operating humidity	20~90%, 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-20D
Protection	front cover
Front panel	Black, RAL 9005
Rear casing	Black, RAL 9005

Mounting	ID-20D
VESA mount	100 x 100 mm
Universal mount	-
Desktop stand	option
Wall mount	option

Physical	ID-20D
Product (W x D x H) :	
mm	481.5 x 67.4 x 360.6
inch	19 x 2.7 x 14.2
Net weight	6.5 kg / 14.3 lb
Chassis color	Black
Chassis materials	Aluminum

Compliance	
EMC	FCC & CE certified
Safety	CE / LVD certified
Environment	RoHS2 & REACH compliant

Applicable Format				
DVI-D / VGA Input	PC signal	1600 x 1200 x 60Hz		
		1400 x 1050 x 60Hz		
		1440 x 900 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		
HDMI input	Audio signal	2ch Linear PCM		
		PC signal	Same as VGA	
			HDMI 1.2	1280 x 720 x 50 / 60Hz (720p)
				720 x 480 x 50 / 60Hz (576p / 480p)
			Audio signal	2ch Linear PCM