

### HAP-19

NEMA 4 / IP65  
front protection



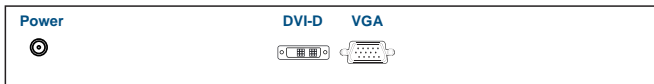
### Display Benefits

- ▶ 19" LCD with high brightness 1000 cd/m<sup>2</sup>
- ▶ Green LED-backlit panel technology
- ▶ Rugged construction against external impact
- ▶ 6mm aluminum front bezel with protective glass & water proof sealed gasket

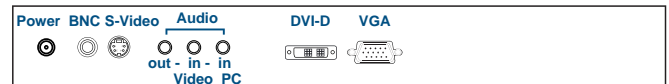
### Options

- 3G / HD / SD-SDI Broadcast-grade input
- MIL-type or lockable connector
- MCS Multi-display control solution
- DC power : 24V / 48V / 125V / 250V
- Projected Capacitive ( 10-point touch )
- Resistive / Capacitive ( 1-point touch )
- S-Video + Composite ( BNC ) or Audio input
- TV - Analog
- HDMI or DVI-D ( either one for AV2.2 upgrade )
- Auto / switch dimming

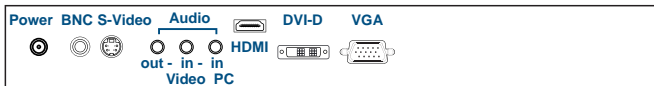
### Basic I/O



### AV2.2D upgrade I/O



### AV3.0 upgrade I/O\* with advanced features



### AV2.2H upgrade I/O



\*Casing dimensions will be changed

### Specifications

#### • LCD Panel

- Size (diagonal) : 19" TFT
- Max resolution : 1280 x 1024
- Brightness (cd/m<sup>2</sup>) : 1000
- Backlight : LED
- Colors : 16.7 M
- Contrast ratio (typ) : 1000 : 1
- Viewing angle (H/V) : 170° x 160°
- Active area (mm) : 376 x 301
- MTBF (hrs) : 30,000
- Video input : VGA or DVI-D

#### • Speaker :

Built-in Dual Stereo Speakers 2W x 2  
( Bundled with AV2.2 upgrade )

#### • Power Input :

Auto-sensing 100 to 240VAC, 50 / 60Hz

#### • Power Consumption

- Screen on : Max. 35W
- Power saving mode : Max. 4W
- Power button : Max. 1W

#### • Environmental

- Operating temperature : 0 to 55°C degree
- Storage temperature : -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 : 5~500Hz 1G RMS random vibration

#### • Casing Color :

Black ( RAL 9005 )

#### • Mounting :

Panel mount / VESA mount

#### • Regulatory

- Safety : FCC & CE certified
- Environmental : RoHS2 & REACH compliant

#### • Weight

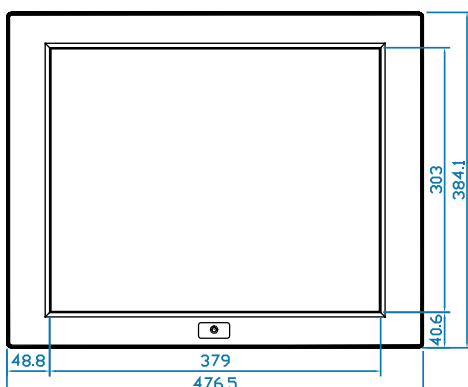
- Net : 7.7 kgs / 16.9 lbs
- Gross : 10.5 kgs / 23.1 lbs

#### • Dimensions

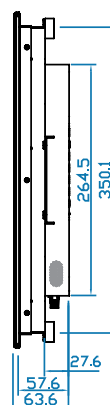
- Product : 476.5 x 63.6 x 384.1 mm / 18.8 x 2.5 x 15.1 inch
- Packing : 651 x 124 x 597 mm / 25.6 x 4.9 x 23.5 inch

### Diagrams ( mm )

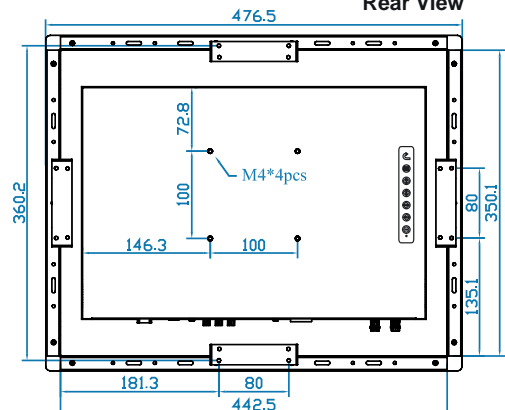
#### Front View



#### Side View



#### Rear View



\*\*Dimension will be changed if Multi-touch required