



**LCD Screen**

Manufacturer		
LCD Origin	South Korea	
LCD Type	Samsung grade A industrial TFT LCD Panel	
Display Size	19.0 inch diagonal (376.32H x 301.06V)	
Resolution	1,280 x 1,024, SXGA	
Display Color	16,194,277 color	
Brightness	250 cd/m <sup>2</sup>	
Contrast Ratio	700 : 1 (Typical)	
Pixel Pitch	0.294 x 0.294 mm	
Viewing Angle	89 / 89 / 89 / 89 (L / R / U / D)	
OSD Control	Brightness, Contrast, Phase & Clock, Color, H & V position, Auto-tune & Recall	
VGA Connector	D-Sub 15 pin VGA analog	
Video Input	S-Video and Composite ( Optional )	
LCD MTBF	50,000 hrs	
Mounting	Panel, wall-mount or VESA arm	
Dimension	464(W) x 360(H) x 55.6(D) mm	
Weight	5.5 kg (Net) / 7.5 kg (Gross)	
Packing	630(L) x 550(W) x 110(H) mm	

**Touch Screen**

Type	Resistive	Surface Wave
Thickness	2mm	3mm
Light transmission	82%	90%
Controller Interface	Serial / USB	Serial / USB
Durability	35 Million	50 Million
OS Support	Windows XP, 2000, NT, 98, DOS and	

**External Power Adapter**

AC Input	110V ~ 220V AC Input
DC Input	12V@5A Output
AC Cable Length	180cm
DC Cable Length	182cm
Size	108(L) x 64(W) x 30(H)
mm	

**Environmental**

Operating Temperature	0 to 50°C
Storage Temperature	-25 to 65°C
Humidity	90%, non condensing
Shock	50G peak acceleration (11ms,since wave)
Vibration	10~300Hz/1.5G (10min/cycle)
Safety Approval	CE, FCC

**Ordering Information**

Model	Description
iOP-1900	19" Open Frame LCD Panel
iOP1900-TRS	19" OF Panel w/ Res. touch screen (Serial)
iOP1900-TRB	19" OF Panel w/ Res. touch screen (USB)
iOP1900-TWS	19" OF Panel w/ Wave touch screen (Serial)
iOP1900-TWB	19" OF Panel w/ Wave touch screen (USB)
iOP-1900AV	19" Open Frame LCD Panel w/ Video Input
iOP1900AV-TRS	19" OF Panel w/ Video, Res. touch screen (Serial)
iOP1900AV-TRB	19" OF Panel w/ Video, Res. touch screen (USB)
iOP1900AV-TWS	19" OF Panel w/ Video, Wave touch screen (Serial)
iOP1900AV-TWB	19" OF Panel w/ Video, Wave touch screen (USB)