

## CONRAC PUBLIC DISPLAYS - Indoor Dust-Proof - E-LED - 16:9 format

Diagonal Model	42" / 106 cm 6142 PD	46" / 117 cm 6146 PD	55" / 139 cm 6155 PD
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Display			
Active screen dimensions (h x v)	930 x 523 mm	1018 x 573 mm	1210 x 680 mm
Resolution (pixel)	1920 x 1080	1920 x 1080	1920 x 1080
Viewing angle (typical)	178°	178°	178°
Contrast ratio (typical)	4000:1	4000:1	1300:1
Brightness	500 cd/m <sup>2</sup> (panel typ.)	500 cd/m <sup>2</sup> (panel typ.)	700 cd/m <sup>2</sup> (panel typ.)
Colour performance	16.7 Mio colours simultaneously (full colour)		
Backlight system	E-LED (Edge-LED)		
Safety / contrast enhancement panel	anti-glare, 90% light transmission (minimum)		

Environmental conditions	
IP protection display unit	IP 54
IP protection cBox (control box)	IP 20 (optional dust-proof)
Temperature (operating)	0° C to + 40° C <sup>1)</sup>
Temperature (non-operating)	-20° C to +60° C
Humidity	10% to 90% (non-condensing)

Power			
Power consumption (with integrated IPC3)	65W typical / 110W max.	70W typical / 115W max.	85W typical / 140W max.
Power consumption (monitor version)	60W typical / 105W max.	65W typical / 110W max.	80W typical / 135W max.
Power supply	90V to 264V, 47Hz to 63Hz		

Dimensions & Weight			
H x W x D	603 x 1010 x 48 (132 <sup>2)</sup> /104 <sup>3)</sup> mm	652 x 1097 x 48 (132 <sup>2)</sup> /104 <sup>3)</sup> mm	760 x 1289 x 48 (132 <sup>2)</sup> /104 <sup>3)</sup> mm
Weight (+/-10%) (Display with IP20 cBox)	29.5 kg	34.5 kg	44 kg
Weight (+/-10%) (Display with dust-proof cBox)	31.5 kg	36.5 kg	46 kg

Approvals	
EMI/EMC	EN55022 class A, EN55024, EN61000-3-2/-3
Safety	EN60950, CE

Options
Wall mount bracket, ceiling mount bracket, tilt wall mount

Colour	
Standard colour cabinet	RAL 9005 (black), powder coated
Standard colour front panel	RAL 9006 (white aluminium), powder coated
Standard colour cBox	RAL 9005 (black), powder coated
Customized colour	On request

<sup>1)</sup> dynamic brightness adjustment; <sup>2)</sup> including IP20 cBox monitor version or dust-proof cBox; <sup>3)</sup> including IP20 cBox IPC3



Display unit with IP20 cBox

**cFPS**  
Flexible Pluggable Solution



Display unit without cBox



## CONRAC Display with IPC3 (integrated Industrial PC)

### Display supplied with integrated industrial PC, operating system and monitoring software.

The consequent use of components from the Intel embedded roadmap secures lowest power consumption as well as optimum performance and reliability. It is perfectly suited to run all kinds of MS Windows based Digital Signage solutions.

IPC3	
Processor	Intel® Atom™ E3845 quad core, 1,91 GHz
HDD	min. 32GB SSD
RAM	2GB (2x 1GB Dual Channel)
Graphics	Intel® HD Graphics, Full hardware acceleration for MPEG2, H.264, DirectX11, OCL 1.2, OGL 3.0, WMV9 and VC1
Network adapter Ethernet	1 x 1000
Sound	Intel® High Definition Audio (Intel® HD Audio)
RS232	1x
USB 2.0	2x
SD card slot	1x
DVI-D	1x
DisplayPort	1x
Audio Lineout	1x
Hardware watchdog	•
Software (installed on SSD)	•
Windows Embedded® WES7P & CONRAC System Monitor	

Controls	
User controls	Power button (internal for Outdoor Display series)
Control of display functions	Via IR or USB keyboard or via network

Accessories	
Operating manual (E/D), AC power cord (not for Outdoor Series), IR keyboard (option), IR remote control (option)	

### Connectors (internal for Outdoor Displays series)



## CONRAC Display with eMotion ST3:4 electronics

### Monitor for connection to external signal sources

Displays in “monitor-only” configuration are equipped with high-capacity electronics, connectors and controls. This platform offers various connectivity options for PCs, DVD players, set-top boxes, etc.. The high end signal processing provides the best possible picture quality independent of the input signal, both for digital and analogue signal sources.

eMotion ST3:4 electronics	
Horizontal frequency:	15kHz – 90kHz
Vertical frequency:	49Hz – 90Hz
Signal timing table:	640 x 400, 720 x 400, 640 x 480, 800 x 600, 1024 x 768, 1280 x 768, 1366 x 768, 1280 x 1024, 1600 x 1200, 1920 x 1080, 1920 x 1200, 2560 x 1440, 2560 x 1600 720i, 720p, 1080i (HDMI), 1080p (HDMI)

Controls	
Control of display functions:	Via IR remote control On-screen display (OSD languages: German, English, French, Italian, Spanish and Russian) RS 232

Accessories	
Operating manual (E/D), AC power cord (not for Outdoor Series), IR remote control	

Connectors (internal for Outdoor Displays series)		
Video input	HDMI 1.4	19pin standard HDMI
	Y / CVBS (Y in or CVBS in), for SD-Video	Cinch
	S-Video in (Y/C) for SD-Video	Mini-DIN
Video output (only for 61xxBD models)	DisplayPort 1.2 (Full HD)	20pin standard DisplayPort
PC input	DVI-I (VGA analog and dual link DVI)	24+5pin DVI
	DisplayPort 1.2	20pin standard DisplayPort
Serial Interface	RS232 (full remote control and service)	9pin HDSUB

