PUBLIC DISPLAYS - Outdoor - LCD/TFT - 16:9 format

Diagonal Model	32" / 80cm 6932 PD	42" / 106cm 6942 PD	47" / 119cm 6947 PD	82" / 206cm 6982 PD
Display				
Active screen dimensions (h x v):	697 x 392mm	930 x 523mm	1039 x 584mm	1805 x 1015mm
Resolution:	1366 x 768	1920 x 1080	1920 x 1080	1920 x 1080
Viewing angle (typical):	178°	178°	178°	170°
Contrast ratio (typical):	3500:1	1200:1	1200:1	2000:1
Brightness (max.):	500 cd/m²	700 cd/m²	700 cd/m²	600 cd/m²
Colour performance (full colour):	16.7 Mio colour simultaneously			
Safety / contrast enhancement panel (typ.):	anti-glare, 85% light transmission			

International Protection Rating				
IP code:	IP54	IP54 / IP65	IP54 / IP65	IP54

Environmental conditions				
Temperature (with internal climate control):	-15°C to + 40°C (operating), -20°C to +60°C (non-operating)			
Extended temperature range (option):	-25°C to + 40°C (operating), -20°C to +60°C (non-operating)			
Temperature (w/o internal climate control):	0°C to + 40°C (operating), -20°C to +60°C (non-operating)			
Humidity:	10% to 90% (non-condensing)			

Power				
Power supply:	230V AC (115V AC on request), 50/60Hz ±6%			
Power consumption (depending on configuration)				
With integrated controller: Heating active (max.):	125W (typical) 325W (IP54)	180W (typical) 300W (IP54), 320W (IP65)	240W (typical) 340W (IP54), 380W (IP65)	1000W (typical) < 3000W (max.)
With integrated PC: Heating active (max.):	115W (typical) 315W (IP54)	170W (typical) 300W (IP54), 320W (IP65)	230W (typical) 340W (IP54), 380W (IP65)	1000W (typical) < 3000W (max.)
Monitor version: Heating active (max.):	95W (typical) 295W (IP54)	150W (typical) 265W (IP54), 285W (IP65)	210W (typical) 340W (IP54), 380W (IP65)	1000W (typical) < 3000W (max.)

Dimensions & Weight				
IP54				
H x W x D:	595 x 931 x 183 mm	678 x 1128 x 153 mm	754 x 1260 x 153 mm	1420 x 2185 x 372 mm
Weight kg (+/- 10%):	40.0 kg	55.5 kg	74.5 kg	300.0 kg
IP65				
H x W x D:	-	678 x 1128 x 210 mm	754 x 1260 x 210 mm	-
Weight kg (+/- 10%) :	-	64 kg	82 kg	-

Touch Option				
Touch Panel	On request	On request	On request	On request

Sunlight Readable Panel Solution				
For high brightness environment	○	●	●	○

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

Options				
Wall mount bracket, ceiling mount bracket, tilt wall mount (not for 6982 PD IP-TEC)				

Colour				
Standard colour cabinet/front panel:	RAL 9006 (white aluminium), powder coated			
Customized colour:	On request			

● yes   ○ no

ECO
Green approach. We care.

SYSTEM SOLUTION

CONRAC
PUBLIC DISPLAYS
INDOOR BASIC
INDOOR PROTECTED
INDOOR NARROW BEZEL
OUTDOOR
OUTDOOR CHASSIS

Display with integrated GEB8 (Graphic Engine Board)

Display supplied with integrated controller GEB, operating system, monitoring software and client software

CONRAC flat screen displays with integrated Graphic Engine Board (GEB) are intelligent terminals. Designed for 24/7 operation, this embedded solution offers an extremely reliable platform in networked applications. The Heavy Duty Graphic Engine is combined with a client software running under a real-time operating system ensuring an extremely high system uptime. Well engineered server solutions guarantee trouble free continuous operation of the entire system even under extreme conditions. For maximum safety, the real time operating systems runs on a compact flash card, avoiding failures, viruses and hackers. Remote monitor control allows monitoring and control of display settings such as stand-by, brightness and contrast, but also information such as temperature, maintenance status, etc.

● yes ○ no

GEB version:	Basic	Basic with HDD	Performance
Processor:	Intel ATOM N270	Intel ATOM N270	Intel Celeron 1.86 GHz
Memory - 2GB Compact Flash:	●	● + min. 160GB HDD 2.5"	● + min. 160GB HDD 2.5"
DDRAM2	1GB	1GB	1GB
MPEG decoder:	MPEG1/2 software decoding	MPEG1/2 software decoding	MPEG1/2 software decoding
Video interface:	○	○	CVBS in / S-Video in
Network adapter Ethernet:	1 x 100 1 x 1000	1 x 100 1 x 1000	1 x 100 1 x 1000
Serial interface:			
RS232	1x	1x	1x
RS485	1x	1x	1x
USB 2.0	4x	4x	4x
Hardware Watchdog:	●	●	●
Software: - TCP/IP license, ROMDOS license, GT2 software installed on FlashDisk	●	●	●

Controller options			
SSD option:	Compact Flash 4/8/16GB	Compact Flash 4/8/16GB	Compact Flash 4/8/16GB
Stereo TV tuner:	○	○	●
Wireless LAN:	●	●	●
Fibre optic module:	100Mbit (ST or SC connector)	100Mbit (ST or SC connector)	100Mbit (ST or SC connector)
Isolated RS 485:	●	●	●

Controls	
User controls	Mains switch
Control of display functions	Via IR or USB keyboard or via network

Accessories
Operating manual (E/D), AC power cord, IR keyboard (option), IR remote control (option)

Connectors (internal for Outdoor Displays series)

ECO
Green approach. We care.

PC SOLUTION

CONRAC
PUBLIC DISPLAYS
INDOOR BASIC
INDOOR PROTECTED
INDOOR NARROW BEZEL
OUTDOOR
OUTDOOR CHASSIS

Display with IPC II (integrated Industrial PC)

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

CONRAC flat screen displays with integrated Industrial PC (IPC) are intelligent terminals. Designed for 24/7 operation, this embedded solution offers an extremely reliable platform in networked applications. The consequent use of components from the Intel embedded roadmap secures lowest power consumption as well as optimum performance and reliability. The integrated high performance industrial PC is based on the latest low-power embedded technology. It is perfectly suited to run all kinds of MS Windows based Digital Signage solutions. Remote monitor control allows monitoring and control of display settings such as stand-by, brightness and contrast, but also information like temperature, maintenance status, etc.

● yes ○ no

IPC II version:	IPC II Basic	IPC II Performance	IPC II High End
Processor:	Intel Celeron® Dual-Core™ CPU T3100 1,90GHz	Intel® Core™ 2 Duo CPU P8400 2,26 GHz	Intel® Core™ 2 Quad CPU Q9000 2,00 GHz
HDD:	min. 160GB HDD 2.5"	min. 160GB HDD 2.5"	min. 160GB HDD 2.5"
RAM:	1GB (1x 1GB Single Channel)	2GB (2x 1GB Dual Channel)	4GB (2x 2GB Dual Channel)
Video memory:	max. 384MB (DVMT 5.0)	max. 384MB (DVMT 5.0)	max. 384MB (DVMT 5.0)
MPEG decoder	MPEG1/2/4 hardware decoder	MPEG1/2/4 hardware decoder	MPEG1/2/4 hardware decoder
Network adapter Ethernet:	1 x 100 1 x 1000	1 x 100 1 x 1000	1 x 100 1 x 1000
Audio:	7.1 HD Audio Codec	7.1 HD Audio Codec	7.1 HD Audio Codec
Peripheral interface:			
RS232 USB 2.0	1x 4x	1x 4x	1x 4x
Video outputs:			
DVI-D HDMI VGA	1x 1x 1x	1x 1x 1x	1x 1x 1x
Hardware watchdog:	●	●	●
Chipset:	Intel® GM45 Express	Intel® GM45 Express	Intel® GM45 Express
Graphics core:	Intel® GMA X4500MHD	Intel® GMA X4500MHD	Intel® GMA X4500MHD
Software (installed on HDD): Windows XP Embedded® and CONRAC System Monitor	●	●	●

IPC options			
HDD options:			
Compact Flash 4/8/16GB 250/320GB HDD 2,5" 64/128GB SSD 2,5"	● ● ●	● ● ●	● ● ●
RAM upgrade 2/4GB	●	●	○
Network options:			
WLAN Fibre Optic Interface	● ●	● ●	● ●
Software options:			
ConVis Client Windows Embedded Standard 7 & CONRAC System Monitor	● ●	● ●	● ●

Controls	
User controls	Mains switch
Control of display functions	Via IR or USB keyboard or via network

Accessories
Operating manual (E/D), AC power cord, IR keyboard (option), IR remote control (option)

Connectors (internal for Outdoor Displays series)

cECO
Green approach. We care.

CONRAC
PUBLIC DISPLAYS
INDOOR BASIC
INDOOR PROTECTED
INDOOR NARROW BEZEL
OUTDOOR
OUTDOOR CHASSIS

Display with AV6 electronics

Monitor for connection to external signal sources
CONRAC's PD-series professional flat screen displays in "monitor-only" configuration are equipped with a high-capacity electronics offering state of the art functions, 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 analog signal sources.

AV6 electronics	
Horizontal frequency:	15kHz – 90kHz
Vertical frequency:	49Hz – 90Hz
Pixelclock:	170MHz (typical)
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** 720i, 720p, 1080i (HDMI), 1080p (HDMI)

Controls	
User controls:	Mains switch
Control of display functions:	Via IR remote control On-screen display (OSD languages: English, French, German, Italian, Spanish, Portuguese, Dutch, Swedish, Norwegian, Finnish, Danish, Polish, Russian) RS 232

Accessories
Operating manual (E/D), AC power cord, IR remote control, HDMI/DVI-D adapter cable (locked)

Options
TV-tuner

Connectors (internal for Outdoor Displays series)		
TV antenna in:	Standard RF in	Option
AV input / output:	AV1 (RGB in, CVBS in/out, Audio L/R in/out), AV2 (YC in, CVBS in/out, Audio L/R in/out)	2 x Scart
Video input:	Y / CVBS (Y in or CVBS in), U in, V in	3 x Cinch
	S-Video in (Y/C)	Mini-DIN
Audio input:	CVBS/YUV R/L, S-Video R/L	4 x Cinch
PC input:	VGA	15pin HDSub
Serial interface:	RS232 (full remote control and service)	9pin HDSub
Digital PC/video interface:	Additional PC connector, digital video with HDCP (HDMI / DVI-D Adapter)	2 x HDMI (DVI-D)
PC audio input:	PC L/R	2 x Cinch
Audio output:	SUB (analog) subwoofer out, COAXIAL (digital) SPDIF out, Line out R/L	4 x Cinch

ECO
Green approach. We care.