PUBLIC DISPLAYS - Indoor - Narrow Bezel - LCD/TFT - 16:9 format

Diagonal Model	42" / 106cm 6042 BD	47" / 119cm 6047 BD
Display		
Active screen dimensions (h x v):	930 x 523mm	1039 x 584mm
Resolution (pixel):	1920x1080	1920 x 1080
Viewing angle (typical):	178°	178°
Contrast ratio (typical):	1200:1	1200:1
Brightness (max.):	700 cd/m^2	700 cd/m^2
Colour performance:	16.7 Mio colours	16.7 Mio colours
Response time:	9ms (grey to grey)	9ms (grey to grey)
Environmental conditions		
IP protection	IP20	
Temperature (operating):	0°C - + 40°C	
Temperature (non-operating):	-20°C - +60°C	
Humidity:	10% - 90% (non-condensing)	
Power		
Power consumption (with integrated controller):	180W (typical)	240W (typical)
Power consumption (with integrated PC)	170W (typical)	230W (typical)
Power consumption (monitor version)	150W (typical)	210W (typical)
Power supply:	90V - 264V, 47Hz - 63Hz	90V - 264V, 47Hz - 63Hz
Dimensions & Weight		
H x W x D:	552 x 959 x 120 mm	616 x 1071 x 120mm
Bezel width:	15 mm	15 mm
VESA fixings:	600 x 400 mm (M8)	600 x 400 mm (M8)
Weight (+/-10%):	19.0 kg	24.0 kg
cDPM		
Display Performance Monitoring	●	●
Approvals		
EMI/EMC :	EN55022 class A, EN55024, EN61000-3-2/-3	
Safety:	EN60950, CE	
Options		
Customized mountings on request		
Sunlight Readable Panel Solution		
For high brightness environment	●	●
Colour		
Standard colour cabinet:	RAL 9005 (black), powder coated	
Standard colour front panel:	RAL 9005 (black), powder coated	
Customized colour:	On request	

● yes ○ no

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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)

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CONRAC
PUBLIC DISPLAYS
INDOOR BASIC
INDOOR PROTECTED
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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)

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DISPLAY SOLUTION

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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

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Technical specification subject to change without prior notice
CONRAC GmbH - Lindenstraße 8 - D-97990 Weikersheim - Germany
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www.conrac.de