



## CONRAC 6018 SD

18" LCD/TFT Ship Display

CONRAC's 6018 SD high resolution multi frequency TFT-display for shipborne applications is supplied in an attractive metal housing or in a rack/console mount version.

The use of high grade industrial components, modular construction, robust aluminium casing and special laminated safety glass panel with high efficiency anti-glare treatment ensures reliable around the clock operation in demanding applications.

### FEATURES

**Approved to GL (Germanic Lloyd)**

Easy integration in ship control systems

**Robust aluminium housing**

Specially designed for use in rough industrial environment

**Safety glass with high efficiency anti-glare treatment**

Superior legibility and safety with reduced EMI

**Universal proprietary controller**

Flexible solutions (VGA, CVBS and S-Video inputs), extra wide frequency range (15kHz – 85kHz)

**High contrast and flicker-free image**

Reduced eye strain

**Enhanced shock & vibration resistance**

Reliable operation under harsh ambient conditions

**Integrated counter for hours of operation**

Easy to plan maintenance

**Conrac electronics and design**

Long term availability

**DISPLAY**

Panel type:	Full color active matrix TFT
Size / Active screen dimensions:	18.1" – 46cm / 359mm (horizontal) x 287mm (vertical)
Resolution:	Multiscan up to 1280 x 1024 (SXGA)
Horizontal frequency:	15 – 85kHz
Vertical frequency:	50 – 85Hz
Pixelclock:	Up to 140MHz
Video:	15.7kHz CVBS / Y/C video
Brightness (typical):	260 cd/m <sup>2</sup> with glass panel (95% light transmission)
Contrast ratio:	400:1 typical
Number of colors:	16.7 Million colors
Viewing angle:	±80° horizontal and vertical
Backlight:	Cold cathode fluorescent lamp (CCFL)
Lamp life time:	50,000 hours @ 25°C ambient temperature, continuous operation

**SIGNAL INPUT / CONNECTORS / SYNCRONIZATION**

PC video signal input:	PC analog, CVBS, Y/C (PAL, SECAM, NTSC)	
Connectors:	RGB (PC) input:	1 x 15 pin HD-Sub
	CVBS:	2 x Cinch
	Y/C:	1 x Mini DIN
Synchronization:	Sync on green, Composite sync with auto detect Separate H- and V-sync	

**CONTROLS**

Via keypad and on screen menu  
Remote with serial interface

**ENVIRONMENTAL CONDITIONS**

Temperature (operating):	0°C - +55°C
Temperature (non-operating):	-20°C - +60°C

**POWER**

Power supply:	115V / 230V ±10%, automatic selection
Power consumption:	60W, 10W in sleep mode

**APPROVALS**

EMI/EMC:	EN55022 class A, EN55024
Safety:	EN60950, UL 1950, CE
Ship Control:	GL (Germanic Lloyd)

**SUPPLIED ACCESSORIES**

VGA cable (15pin) 2m, AC power cord 2.5m	
Operating Manual	
Cabinet version only:	Bracket (desk stand, wall and ceiling mount)

**STANDARD COLOR**

Standard color cabinet/front panel:	RAL 9005 (deep black)
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**VERSIONS**

**6018 SD Cabinet version**

Ultra slim metal design housing (IP21).  
 Supplied with bracket for wall or ceiling mounting or to be used as desk stand.  
 Prepared for mounting according to VESA specification.

H x W x D: 345mm x 449mm x 89mm (13.6in x 17.7in x 3.5in)  
 Weight: 9kg (20 lbs)



**6018 SD Rack Mount version**

Rack/console mount configuration with IP65 front (8U).

H x W x D: 354mm x 483mm x 91mm (14.0in x 19.0in x 3.6 in)  
 Weight: 10kg (22 lbs)



**OEM versions**

Customized versions available on request.

**OPTIONS\***

\*Please note: Not all options may be combined.

Cabinet & Rack version: 24V DC power supply operating from 18V to 32V

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