



CONRAC 6017 SD

17" LCD/TFT Ship Display

CONRAC's 6017 SD high resolution multi frequency TFT-display for shipborne applications is supplied 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 make these displays the perfect choice for 24 hour operation in demanding shipborne applications.

FEATURES

Approved to IEC 61174 (ECDIS), EN 60936-1 (Radar) and EN 60945 (Navigation)

Easy integration in Radar and ECDIS systems

Wide dimming range backlight converter for day & night application

Potentiometer control of brightness for ease of operation

Robust seawater resistant aluminium housing treated to protect from corrosion

Specially designed for use in shipboard applications

Universal proprietary controller

Flexible video input solutions

High contrast and flicker-free image

Reduced eye strain

Enhanced shock & vibration resistance as well as extended temperature range

Reliable operation under harsh ambient conditions

Integrated counter for hours of operation

Easy to plan maintenance

Conrac electronics and design

Long term availability and service

DISPLAY

Panel type:	Full color active matrix TFT
Size / Active screen dimensions:	17" – 43cm / 337.9mm (horizontal) x 270.3mm (vertical)
Resolution:	Multiscan up to 1280 x 1024 (SXGA)
Horizontal frequency:	30 – 80kHz
Vertical frequency:	50 – 85Hz
Pixelclock:	Up to 140MHz
Brightness (dynamic range):	Brightness: <80 mcd/m ² - > 200 cd/m ² (typical) Filter glass: 90% light transmission (typical)
Dimming range:	>2000:1
Contrast ratio:	500:1 typical
Number of colors:	16.7 Million colors
Viewing angle:	±85° 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 signal input:	PC analog
Connectors:	RGB (PC) input: 15 pin HD-Sub RS 232: 9 pin DSub connector
Synchronization:	Sync on green, Composite sync with auto detect Separate H- and V-sync

CONTROLS

Keypad and on screen menu
Potentiometer control of brightness

ENVIRONMENTAL CONDITIONS

Temperature (operating):	-15°C - +55°C
Temperature (non-operating):	-20°C - +60°C
Vibration:	5Hz – 12Hz ± 1.6mm, 12.5Hz – 25Hz ± 0.38mm 25Hz – 50Hz ± 0.1mm
Shock:	10g, 11ms

POWER

Power supply:	115V / 230V ±10%, automatic selection, power connector lockable, additional socket for power output
Power consumption:	<70W
Stand-by function:	Yes

APPROVALS

EMI/EMC:	EN55022 class A, EN55024, EN60945
Safety:	EN60950, EN60945, CE
Vibration:	EN60945
Ship Control:	EN61174 (ECDIS), EN60945 (Navigation), EN60936-1 (Radar)

SUPPLIED ACCESSORIES

AC power card 2.5m
Operating Manual

STANDARD COLOR

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

6017 SD Rack Mount version

Rack/console mount configuration with IP65 front.
Integrated beeper and lockable power input and output.

H x W x D: 400mm x 460mm x 71mm (15.8in x 18.1in x 2.8in)
Weight: 8.5kg (19 lbs)

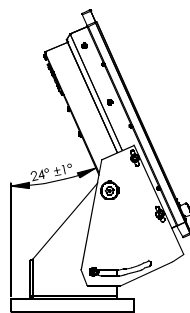


6017 SD Bracket Mount version

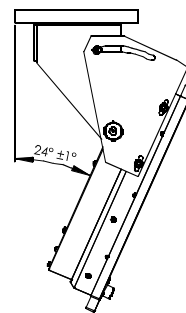
Rack version with brackets for various mounting solutions.



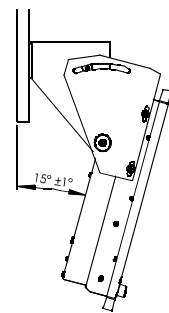
Table mounted



Ceiling mounted



Wall mounted



OEM versions

Customized versions available on request.

OPTIONS*

* Please note: Not all options may be combined.

24V DC power supply operating from 18V to 32V
Video signal input 15.7kHz CVBS / Y/C video

FOR MORE INFORMATION CONTACT SALES DEPARTMENT AT: CONRAC, INC.

5124 Commerce Drive
Baldwin Park, California 91706
U.S.A.
Tel: 626-480-0095
Fax: 626-480-0077
E-mail: monitors@conrac.com
www.conrac.com

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CONRAC GmbH
Lindenstrasse 8
D-97990 Weikersheim
Germany

CONRAC FRANCE S.A.R.L.
47 Route de Baillon
95270 Chaumontel
France

CONRAC Sales Office Italy
Via R. R. Garibaldi 30
I-00145 Rome
Italy

CONRAC MENA FZE
DAFZA Dubai Airport Free Zone
3E G06 East Wing 3
Dubai, United Arab Emirates

CONRAC Asia
Display Products Pte Ltd
82 Genting Lane #05-04
Singapore 349567

Tel.: +49-7934-101-0
Fax: +49-7934-101-101
E-Mail: info@conrac.de
www.conrac.de

Tel.: +33-1-3035 0634
Fax: +33-1-3471 2926
E-Mail: info@conracfrance.fr
www.conrac.fr

Tel.: +39-06-4543 9202
Fax: +39-06-4543 9179
E-Mail: info@conrac.it
www.conrac.it

Tel.: +971-4-2994 009
Fax: +971-4-2995 587
E-Mail: info@conrac.ae
www.conrac.ae

Tel.: +65-6742 7988
Fax: +65-6747 3933
E-Mail: sales@conrac-asia.com
www.conrac-asia.com