



CONRAC 6017 SD

17" LCD/TFT Ship Display

CONRAC's 6017 SD high resolution multi frequency TFT-display for shipborne applications is supplied in rack/console mount version.

CONRAC GmbH stands for High Performance Displays for specific applications. Own R&D, production and service at the German headquarters guarantee highest quality standards.

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 the displays the perfect choice for 24h operation in demanding 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

Potmeter 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 solutions (VGA, CVBS and S-Video inputs)

High contrast and flicker-free image

Reduced strain for the user's eyes.

Enhanced shock & vibration resistance as well as extended temperature range

High lifetime in critical ambient conditions

Integrated counter for hours of operation

Easy to plan maintenance

Conrac electronics and design

In-house R&D ensures long term availability.

DISPLAY

Panel type:	Full colour 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 Filter glass: 90% light transmission
Dimming range:	>2000:1
Contrast ratio:	500:1 typical
Number of colours:	16.7 Mio colours
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 / SYNCRONISATION

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
Potmeter 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:	85 - 264V, 45 - 65Hz, PFC (Power Factor Correction), 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 COLOUR

Standard colour front panel:	RAL 9005 (deep black), non-structured
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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
Weight: 8.5kg

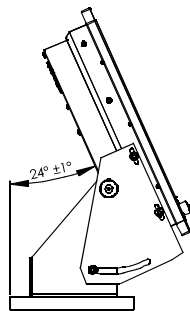


6017 SD Bracket Mount version

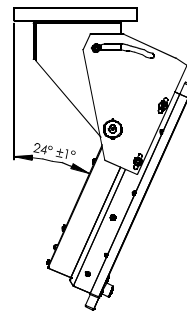
Rack version with brackets for various mounting solutions.



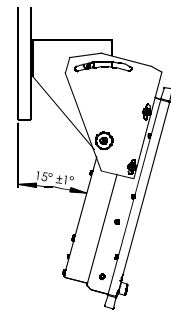
Table mounted



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
- Digital video signal input DVI-I

Technical specification subject to change without prior notice. GM 360.0187, is_6017sd_rev07

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