



CONRAC 6020 AD (PRELIMINARY)

20" LCD/TFT Automotive Display

CONRAC's 6020 AD high resolution multi frequency automotive LCD/TFT-display is supplied in rack/console mount version, specially designed for mobile applications.

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 24 hour operation in demanding applications.

FEATURES

Approved to the relevant standards for mobile applications

Easy integration in your system

Robust seawater resistant aluminium housing treated to protect from corrosion

Specially designed for use in mobile applications

Climate control circuit, display heating

High system availability

EMI glass with high efficiency anti-glare treatment

Superior legibility and safety, reduced EMI

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:	20" – 51cm / 408mm (horizontal) x 306mm (vertical)
Resolution:	Multiscan up to 1600 x 1200 (UXGA)
Horizontal frequency:	30 – 81kHz
Vertical frequency:	50 – 85Hz
Pixelclock:	Up to 170MHz
Brightness (typical):	300 cd/m ² typ. without EMI panel
Contrast ratio:	600:1 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 signal input:	PC analog
Connectors:	RGB (PC) input: 5 x BNC Serial connector: 9 Pin for RS 232
Synchronization:	Sync on green, Composite sync with auto detect Separate H- and V-sync

CONTROLS

Keypad and on screen menu	
RS 232 serial link	
BITE (Built-in Test Equipment):	Front panel indication of temperature and operational status

ENVIRONMENTAL CONDITIONS

Temperature (operating):	0°C - +55°C
Temperature (non-operating):	-40°C - +70°C
Vibration:	2.5g, 1Hz – 50Hz
Shock:	30g, 11ms, half sine
Climate Control:	Climate control circuit with overheat indicator on front panel

POWER

Power supply:	115V / 230V ±10%, automatic selection
Power consumption:	100W, <15W in sleep mode, 280W with heating system

APPROVALS

EMI/EMC:	EN55022 class A, EN55024, special standards on request
Safety:	EN60950, CE

SUPPLIED ACCESSORIES

AC power cord 2.5m
Operating Manual

STANDARD COLOR

Standard color front panel:	RAL 9005 (deep black)
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VERSIONS**6020 AD Rack Mount version**

Rack/console mount configuration with IP65 front.

H x W x D: 400mm x 483mm x 120mm (15.75in x 19.0 in x 4.8in)

Weight: 14kg (31 lbs)

**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

Heating system for extended temperature range (-25°C – +55°C)

2 min. useable, 20 min. according to specification

Wide dimming range backlight converter

Active decay compensation

Video signal input 15.7kHz CVBS / Y/C video

Customized power and signal connectors

RS 232 control interface

Front handles

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