→ **Product Website**

The FDS1904T was developed for ECDIS and radar systems. It has impressive optimal legibility when used on the bridge. It satisfies the requirements in terms of temperature, air humidity and vibration set out in the international standard for navigation and radio communication devices for shipping (IEC 60945).

✅ Wide Dimming Range with very low Brightness

✅ ECDIS Calibrated Colours

✅ Clear View and Wide Viewing Angles

✅ Approval from Classification Societies

✅ Durable and Reliable, Long-Lasting LED Backlight

✅ 24/7 Use, 3 Years Warranty

Technical Data

GENERAL

Item no.	FDS1904T
Case color	Black
Areas of application	Industry
Product line	DuraVision
Areas of application	Maritime

SCREEN

Screen size [in inches]	19
Screen size [in cm]	48
Format	5:4
Viewable image size (width x height) [in mm]	376 x 301
Ideal and recommended resolution	1280 x 1024
Pixel pitch [in mm]	0,29 x 0,29
Panel technology	VA
Max. viewing angle horizontal	178
Max. viewing angle vertical	178
Number of colors or greyscale	16.7 million colors (D-Sub, 8 Bit), 16.7 million colors (DVI, 8 Bit)
Max. brightness (typical) [in cd/m²]	540
Max. dark room contrast (typical)	2000:1
Response time black/white/black change (typical)	10/10
Backlight	LED

FEATURES & OPERATION

Preset color/greyscale modes	1x manual memory location, Day, Night, Dusk
24/7 operation	✔
On-screen menu languages	en
Adjustment options	Signal information, Color Mode, Brightness, Contrast, Color temperature/White point, Gamma, Colour tone, Color saturation, Alignment, Backlight Off Mode, ECDIS Indicator, Power Indicator, Signal input, Key lock
Integrated power unit	✔
Touchscreen	✔
Touch panel type	Projected capacitive (PCAP)
Touch compatible OS	Windows 8 (64-bit/32-bit), Windows 8.1 (64-bit/32-bit), Windows 11, Windows 10
Touch points	5

SOFTWARE & ACCESSORIES

Accessories	TP5 (Touch panel pointers), MDS-T191 (Stand for 19-inch Maritime Monitors)

CONNECTIONS

Touch port	USB
Signal inputs	DVI-D (HDCP 1.4), D-Sub
USB specification	USB 2
USB upstream ports	1 x type B
Graphic signal	DVI Single Link (TMDS), RGB Analog
Control port	RS-232C, USB-Protocol
Sync formats	Separate, Composite

ELECTRICAL DATA

Frequency	DVI-D: 31-64 kHz/59-61 Hz; Dsub: 31-80 kHz/56-76 Hz
Maximum Power Consumption [in watts]	64
Power consumption with power switch off [in watts]	0
Power supply	AC: Rating AC 100 - 240 V (Operating: AC 85-264 V), 50/60 Hz, 0,65 A (AC 100 V) / 0,3 A (AC 200 V); DC: Rating DC+24 V (Operating: +30 % / -10 %), 2,7 A (DC 24 V)
Power management	✔

DIMENSIONS & WEIGHT

Dimensions (without stand) (width x height x depth) [in mm]	429 x 406 x 75
Weight (without stand) [in kg]	6.4
Dimension drawing (PDF)	Dimension drawing (PDF)
Tiltability forwards/backwards [in °]	0 / 0
Hole spacing	100 x 100

CERTIFICATION & STANDARDS

IP rating/protection class	IP65 (rear IP22)
Operating temperature	-15 - 55 °C / 10 - 90 % (R.H., non condensing)
Compass Safe Distance	Standard compass: 0,95 m, Steering compass: 0,6 m
Certification	Ship Classification: DNV (Norway), NK (Japan), LR (UK), ABS (USA), CE, CB, RoHS, WEEE, China RoHS, IEC60945, IEC61174, IEC62288, KC (K60950-1,K00022, K00024)

WARRANTY

Warranty periode	3 years