DASH NT3-R

3-INCH INTELLIGENT CIRCULAR DASHBOARD – ADVANCED EMBEDDED CONTROL

The DASH NT3-R is a new-generation circular dashboard belonging to XAP's NT-R family — a line of intelligent rotary displays that combine real-time processing and graphical performance in compact form factors.

Developed from field feedback on the NT2-R, the NT3-R delivers higher display quality, better heat management and extended connectivity while keeping the same robust design philosophy.

Equipped with dual CAN-FD channels and a high-contrast transflective screen, the NT3-R acts both as a display and an embedded control node capable of local computation, alarms, and logic triggers.

Fully configurable via Dash Editor, it allows the creation of custom circular interfaces, animated graphics, and mathematical channels, making it a powerful HMI for motorsport, defense, testing, and industrial systems.

Compact, sealed and fully compatible with XAP modules, the NT3-R is a true concentrate of XAP's technology and know-how.

ERGONOMICS, SPEED AND RELIABILITY COMBINED.

SMART, COMPACT, CONNECTED

COMPACT 3" CIRCULAR FORMAT:
With high readability.

DUAL CAN-FD ARCHITECTURE:
Compatible with all ECUs and protocols.

EMBEDDED INTELLIGENCE:
Real-time computation and logic processing.

FULLY CONFIGURABLE:
With Dash Editor (screens, alarms, actions).

OPTIMISED FOR DIFFERENT USES
Compatible with all ECUs & XAP devices

UNIVERSAL INTEGRATION:
Automotive, marine, industrial, defense.

COMPATIBLE WITH SIM RACING DEVICES:
To train in real conditions.

LATERAL ROTACTOR AND CONFIGURABLE BUTTON:
Change display pages, validate actions, or acknowledge alarms instantly, without additional switches..

ONE DEVICE WITH MULTIPLE APPLICATIONS:
Embedded dashboards, driver interface, industrial monitoring system, lightweight race prototypes and single-seaters, compact industrial or test control panels.
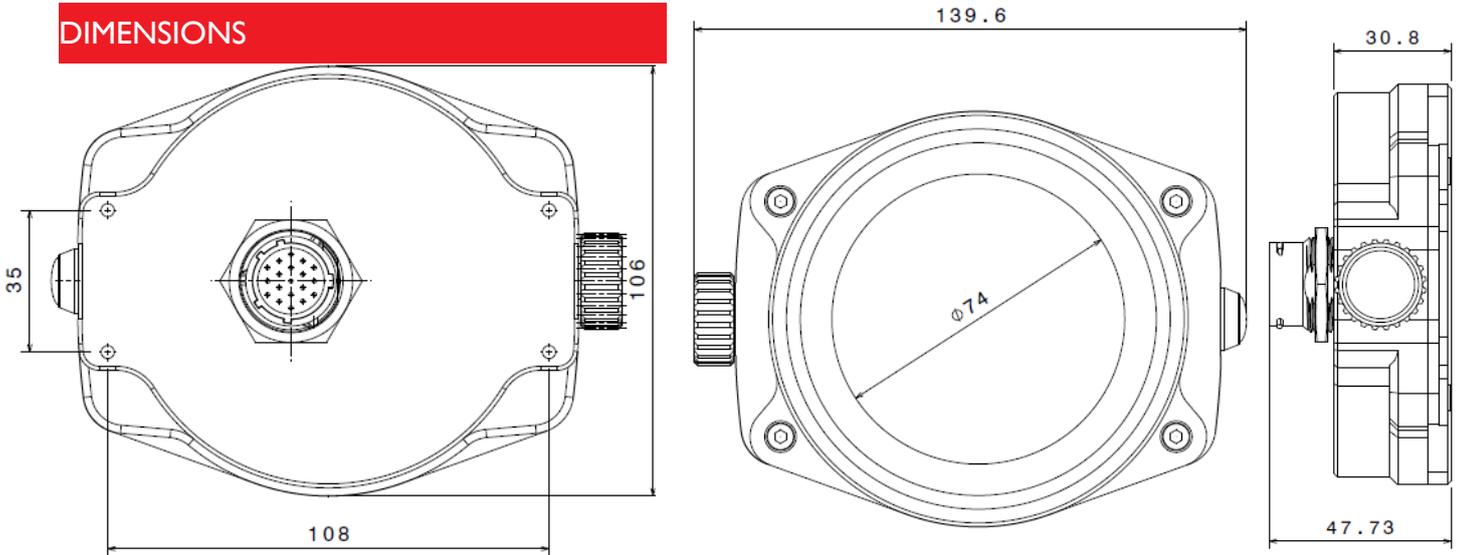
BALANCED DIMENSIONS FOR A HIGH-PROCESSING DEVICE.

► DASHBOARDS: *DASH NT3-R*

DIMENSIONS

TECHNICAL SPECIFICATIONS

Power supply	8 - 70 V
Screen	4" circular TFT – transflective – sunlight readable
Resolution	432 x 432 px
CAN communication	2 CAN bus + 2 programmable CAN resistors
Communication	USB
Inputs	4 analogic 4 digital (or 3 digits and 1 switch)
Compatibility	Fully DBC CAN ready – configurable for multiple ECUs
Compliance	EMC compliance - automotive standards

MECHANICAL SPECIFICATIONS

Dimensions	140 x 106 x 48 mm
Weight	≈ 200 g TBC
Waterproof	IP65
Temperature range	-20°C to 80°C
Resistance	Shock and vibration > 30 G RMS
Rotary switch	x1 - Hall-effect sensor 12 positions
Casing	Panel mount / flush integration

AVAILABLE OPTIONS

GPS & data sync	GPS : Enables performance analyser (predictive time & time monitoring) + tripmaster for Race or Rally
Data Logging	Data Logger 8 GB - CSV export
Wireless connectivity	Bluetooth
Race analysis	Performance Analyser (with GPS)
Race analysis	Odometer / Tripmaster (with GPS)
Connectivity	Start loom & Table loom
Configuration	Custom configuration, PC Tool
Sim Racing	Compatible with simulators

REFERENCES

PF0968	DASH NT3-R STANDARD
PFXXXX	DASH NT3-R GPS
PF0339	OPTION DATA LOGGING
PF0436	OPTION PERFORMANCE ANALYSER
PF0587	OPTION TRIPMASTER

MORE INFORMATION ON
HTTPS://STORE.XAP.FR

XAP TECHNOLOGY
298, rue des Entrepreneurs - 30420 Calvisson - FRANCE
Tél : +33 (0)4 66 02 94 94
Email: contact@xap.fr