


RATIO®	iDive Free
Taravana Algorithm	Yes (IPTM)
Hemoptysis Algorithm	Yes
Free Dive Data	Suggested recovery time by Algorithm, Recovery time Countdown, Surf time, Depth, dive time, dive number, speed, Max Depth, water temperature, Time, graphic profile last dive in session, Session summary with average data.
Alarms	Fixed Depth goal notify Fixed Step goal notify, Dive-time notify Hydration notify
Alarms type	Acoustic + visual
Compass	3D Compass, 1° resolution
Outdoor functions	Altimeter, Barometer, temperature, Weather forecast
Pedometer	Yes
Fitness Functions	Number of steps, distance, speed, calories burned.
SCUBA mode	Yes (scuba and Gauge)
Mix	1 (air or EAN) 21%-50%
Personal Adjustmen	Yes, 6 levels
Decompression model	Buhlmann ZHL-16 B
RDM (Repetitive Dives Manag.)	Yes
Safety Stop adjustmen	Yes, Time and depth
Deep Stop	Yes
Last deco stop adjustment	Yes
Dive Planner	No Deco Limit + DECO PLANNER
Backlight type	Led SuperBright
Backlight activation mode	Duration timer, Manual On&Off, Always-On in water
Display	100% matrix   80x80 pixel
Bezel material	Stainless steel
Case material:	Avantgarde: Stainless Steel Sport Edition: Composite
Glass material	Avantgarde: Sapphire Sport Edition: Mineral
Extension Strap:	Included
Battery	USB Rechargeable Li-ion ~ 40 hr (diving) ~ 2-3 months (Watch-mode) ~ 6-7 months (Stand-by)
Logbook	~18 hr freedive (samp. rate 1 sec) ~ 600 dives in freedive mode ~160 hr scuba (samp. rate 10 sec)
Max Depth	Avantgarde: 220 mt / 721 ft Sport Edition: 150 mt / 500 ft
PC/Mac Connect.	Yes, USB cable included
Updates	Yes (interface included)



## Session data averages

A dedicated screen for all the data of your session:


- Max Depth
- Max apnoea time
- Average Depth
- Average dive time
- Average surface time


Always available during the freedive session.

## Freediving dedicated alerts

A full range of free-diving dedicated alerts,

- Depth alert
- Time alert
- User settable Depth goals alerts
- Depth goals alerts by user settable steps.





## Amazing bright Backlight

New Led SuperBright tecnlogy.

A so brightfull backlight has never been seen before in a watch computer.



## The Best Compass ever.

3D, 1° of resolution, +/- 1° of accuracy.

Tilt compensated up to 85°.





## Fitness Functions.



Run with an iDive.





## Weather forecast.

Sunny, cloudy, rainy ...


## USB Rechargeable battery

With one recharge

- Up to 40 hours of diving
- Up to 3 months as a watch.
- Up to 6 months in Sleep mode.





## Scuba mode

One mix Air or Nitrox and all you need for your scuba dive experiences.



# RATIO

## COMPUTERS

# iDive Free

- Free Diving Specialist -  
- Watch Computer -



**iDive Sport** Edition





## iDive Avantgarde

Edition



## New **iPTM** Algorithm

for **TARAVANA** prevention.

Automatic Recovery Time calculation

The **iPTM** is the first algorithm to calculate the recommended **minimum recovery time** between one free dive and the next one, to reduce the risk of Taravana.


**Tissue Saturation Factor**  
Calculated by using the Buhlmann ZHL-168 compartments considering the dive time, dive depth, descent speed, ascent speed and dive shape.

**Hypoxia Factor**  
Depth and duration of the previous dive.

**Dehydration Factor**  
Number of dives done, depth and total dive time.

**Free diver's behaviour**  
Respect of recovery time from the previous dives and set conservatism.


How the iPTM works



## Prevention for Hemoptysis and Pulmonary Oedema

Set the depth, the iDive Free will let you know how to get there.

You just have to set the depth you want to reach and the iDive Free will guide you during your first three dives, to prepare your lungs' capillaries and reduce at minimum the risk of Pulmonary Oedema and Hemoptysis.



## Training Stopwatch.

A full screen Stopwatch to clock your apnoeas.  
With two stopwatch times to track your performances.