

**Differences between S-VDR (retrofit) and VDR (newbuilds)**

ITEM	S-VDR	VDR
Target	Existing cargo ships 3000GT and upwards (International navigation)	All the passenger ships and newly built cargo ships of 3,000 GT and upwards (International navigation)
Capsule	Fixed type or Float free type selectable	Fixed type
Mandatory record data	Date and time, Position, Datum, Speed, Heading, Bridge audio, VHF audio	Date and time, Position, Datum, Speed, Heading, Bridge audio, VHF audio, Depth, Main alarm, Rudder, Engine, Hull, Door, Radar
If IEC 61162 interface is available	Depth, Main alarm, Rudder, Engine, Hull, Door, Hull stress, Wind	Hull stress(if fitted), Wind(if fitted)
Radar image	Where there is commercial off-the-shelf interface available	Mandatory
AIS	If radar image is not available	Not required (recommended)