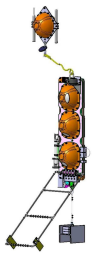
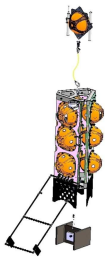
Free fall type Deep sea vehicle EDOKKO MARK1 Standard specifications

Model			Type HSG	Type 365	COEDO	
					Type 10 inch " petite "	Type 13 inch
Size/Weight	Overview					
	Weight	Weight in air (exc. Anchor and Floating communication unit)	approx.85kg	approx.250kg	approx.27kg	approx.51kg
		Weight in water (exc. Anchor)	approx.-13kgf	approx.-18kgf	approx.-7kgf	approx.-11kgf
	Length	Main body (exc. Anchor and Floating communication unit)	約170×62×36cm	approx.180×95×95cm	approx.75×37×28cm	approx.106×50×36cm
		Storage box (exc. Legs length 7cm)	approx.180×73×63cm	-	approx.114×64×42cm	approx.118×75×51cm
Constitution	System configuration	Configuration	Floating communication unit, Transponder unit, LED light unit, Video unit, Frame for installing options, Anchor			
		Pressure resistant vessel	13in×4 spheres	13in×10 spheres	10in×1, 13in×2 spheres	13in×3 spheres
	Floating communication unit	Wireless instrument	VHF radio beacon or Iridium beacon			
		Light emitting instrument	LED flasher			
	Transponder unit	Method Acoustic simplified transponder	Heat cutting releaser Electrolytic releaser	Heat cutting releaser	Forced electrocution timer	Electrolytic releaser
		Battery Primary	DC7V×2、DC9V×1、DC12V×1、DC24V×1	DC7V×2、DC9V×1、DC12V×1、DC24V×1	DC7V×2、DC9V×1、DC12V×1、DC24V×1	DC9V×1、DC12V×1、DC32V×1
	LED light unit	Luminous Flux	approx.4000lm（in air, LED specification）			
		Directivity（1/2 intensity）	approx. ±60 degrees（in air, LED specification）			
		Color temperature	5000K（in air, LED specification）			
		Battery Secondary	DC14.8V-5000mAh×5	DC14.8V-10000mAh×20	DC14.8V-5000mAh×3	DC14.8V-10000mAh×3
	Video unit ※1	Angle of view	approx. 110 degrees（Horizontal field angle, in air）			
		Effective pixel	5 million pixels			
		Display resolution	Full Hi-Vision（1080p / 30fps）			
		Unit number	1 to 3（multiple angles）		2（multiple angles）	
		Recording time 1080p/30fps	approx.22 hours（128GB）	approx.44 hours（256GB）	approx.10 hours（128GB）	
		Battery Secondary	DC14.8V-5000mAh×5	DC14.8V-10000mAh×20	DC14.8V-5000mAh×2	DC14.8V-10000mAh×2
	Frame for options	PVC pipe	approx.62×145cm	approx.62×145cm	approx.93×36cm	approx.103×46cm
	Anchor	Designation（Iron）	approx.40kg	approx.40kg	approx.20kg	約40kg
Environmental performance		Maximum depth	8000m	6500m	4000m	
		Temperature range	0 to 40℃			
Shooting time		Video	Time-lapse shooting is possible（shortest interval: 5 minutes）			
		Still image	disapprove			
Synchronization control of shooting and lighting		Control circuit board	PIC control circuit board is used for Video unit and LED light unit			
		Setting method	Wireless type（Using XBee module, setting from PC to control circuit board）			
		Setting item	Input shooting schedule: Start date / time [year / month / day / hour / minute], shooting time [minute], shooting start interval [minute], repeat times [times]			
			Correct current time			
			Check and delete shooting schedule			
			Operation log records（start / end date, voltage sensor, temperature sensor）			
Options	Multi-angle shooting		Corresponds to shooting in sloping land, shooting in stereoscopic view, etc.			
	Photosensitive organism		Time-lapse lighting with red LED（Alternate illumination with white LED）			
	Long-term observation		Salvage within 90 days	Salvage within 365 days		
		Synchronized shooting	Synchronized shooting and lighting from Video unit via penetrator			
		Power saving	Extended up to 1 year by energy saving of standby power			
		Battery addition	Extended up to 1 year by increasing rechargeable battery	-		
	Deep sea depth	Deepest observation	Depths up to 8000m by modification of framing material and etc.			
	Floating position	Floating communication	Acquire latitude and longitude information by the INMARSAT system			
	Multi-acoustic controller		Correspondence to vessels not equipped with Multi-acoustic controller			
	Observation sensor	CTD etc.	Installation of various sensors such as RINKO-Profiler（JFE Advantech Co., Ltd.）			