

STERNA - V



Portable assembly for artillery observer

STERNA-V is portable assembly for targets acquisition and for data securing needed for fire control. It consists of north pointed gyroscope STERNA-TNF, optical device Leica Vector 21 Nite to define target distance and tripod. Own position necessary to the target position defining could be entered manually or gained from GPS receiver.

Purpose

STERNA-V is determined for target detection, reconnaissance, identification and complex acquisition during artillery reconnaissance in frame of effective and fast firing support and military forces protection in combat area. It is possible to use STERNA-V both autonomously in frame of BMS (BVIS) and in frame of superior assembly (LOV-Pz, LOS-M, Sněžka-M). STERNA-V enables automated calculation of target coordinates or detonation and data transfer (target coordinates, target description including) to the superior level.



Main Tactical-technical parameters

STERNA TNF + VECTOR 21 Nite	Horizontal sensor range	6 400 mil, unlimited
	Vertical sensor range	+700 to -700 mil
	Laser rangefinder safety class	1
	Laser range	5500 m (target - TANK)
	Orientation accuracy	< 5 mil 0° na 65° lat NS
	Accuracy, horizontal angle (1σ)	± 1 mil
	Accuracy, vertical angle (1σ)	± 3 mil
	Geographical north determination, fast/accurate	96s/120s
	Power supply	4x CR123A or external battery
Data terminal	Type	iX104C5DMSR
	Processor	Intel Core i7
	Touchscreen	TFT 10" XGA
	SSD disk	80 GB
	Operating system	Windows 7
GPS receiver	Type	DAGR AN/PSN-13A
External battery	Type	BT-70791BK
	Model	Li-ION
	Voltage	28,8 V
	Capacity	7,5 Ah

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