



ARTILLERIE INRICHTINGEN
ARMAMENTS BV

MORTAVIS MORTAR SYSTEMS
MORTAR SYSTEMS

MORTAVIS

ELS-81/120 MULTI-CALIBRE MORTAR ELECTRONIC LAYING SYSTEM

Portable electronic direction, alignment and fire-control support for qualified 81 mm, 82 mm and 120 mm mortar configurations.

81 / 82 / 120 MM

NABK + TABLES

GPS ALIGNMENT

DIGITAL FIRE SUPPORT

Forward observer, radar, meteo and C2

PRECISE LAYING

Sensor and GPS-assisted alignment



MORTAVIS ELS-81/120 | AIA-MRT-ELS81120-MK1

DIGITAL DIRECTION, ALIGNMENT & FIRE COMMAND

Artillerie Inrichtingen Armaments BV presents MORTAVIS ELS-81/120, a portable multi-calibre electronic system designed to accelerate mortar alignment, reduce setup errors and support fire-command calculation at the weapon position.

The modular architecture supports qualified 81 mm, 82 mm and 120 mm mortars and combines alignment sensing, GPS positioning, digital mapping, ballistic calculation and wired or wireless integration with tactical fire-support networks.

3 calibres

81 / 82 / 120 MM COMPATIBILITY

NABK

KERNEL OR VALIDATED FIRING TABLES

Digital

WIRED AND WIRELESS INTERFACES

● Artillerie Inrichtingen Armaments BV - Licensed manufacturing programme in the Netherlands



OPERATIONAL CAPABILITY & SYSTEM ARCHITECTURE

MORTAVIS ELS-81/120 | MULTI-CALIBRE ELECTRONIC MORTAR LAYING & FIRE-CONTROL SYSTEM

SYSTEM CAPABILITIES

- Compatibility with qualified 81 mm, 82 mm and 120 mm mortars
- Precise laying in accordance with the calculated fire command
- Position and barrel-laying detection using an alignment sensor and GPS
- Position, direction and altitude data displayed on a digital map
- Mission-oriented color graphical user interface
- NATO Armaments Ballistic Kernel or validated firing-table calculation
- Optional muzzle-velocity and meteorological sensor-data inputs
- Support for the full range of mortar fire missions
- Forward-observer, target-detection radar, meteorological and C2 integration
- Wired and wireless digital communications

PUBLISHED SYSTEM PROFILE

PORTABLE ELECTRONIC LAYING ARCHITECTURE

alignment sensor; GPS; rugged direction and alignment computer; power module; digital map; ballistic kernel; wired and wireless communications

CALIBRES

81 / 82 / 120

POSITIONING

GPS + sensor

COMMS

Wired + wireless

INTERFACE / COMPATIBILITY

qualified mortar barrels and ammunition; forward-observer systems; target-detection radars; meteorological systems; command-and-control networks

PHYSICAL

Portable alignment sensor, rugged mission computer, power module and digital communications components

DIGITAL MORTAR WORKFLOW

Receive mission data, calculate the fire command, align the mortar and execute across the tactical network.

81 / 82 / 120 MM

ALIGNMENT SENSOR

GPS POSITIONING

NABK

FIRING TABLES

DIGITAL MAP

SENSOR DATA

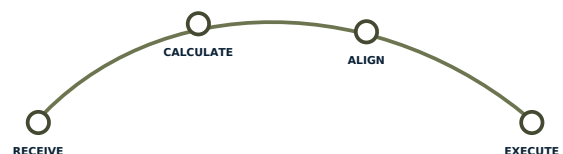
C2 INTEGRATION

FIRE-CONTROL, SENSOR & NETWORK INTEGRATION

MORTAVIS ELS-81/120 combines a mortar-mounted alignment sensor, GPS-assisted position and direction determination, a rugged graphical mission computer, digital mapping and ballistic calculation using the NATO Armaments Ballistic Kernel or validated firing tables. Optional digital inputs may include muzzle-velocity and meteorological data. Interfaces support forward-observer systems, target-detection radars, meteorological systems and command-and-control networks over wired or wireless communications. Integration remains subject to barrel, ammunition, ballistic-data, communications, environmental and range-safety qualification.



TACTICAL OLIVE MULTI-CALIBRE MORTAR CONFIGURATION



DIGITAL MORTAR DIRECTION & ALIGNMENT WORKFLOW