

Ukraine receives U.S. air defence system

NASAMS, an advanced surface-to-air missile system, will help Ukraine to defend big cities from Russian missile strikes

1 DETECTION

MPQ-64F1 Sentinel

Active 3D radar searches sky for aircraft or missile threats

Vehicle with passive electro-optic and infrared sensor

NASAMS: Developed by Raytheon

in cooperation with Norway's
Kongsberg Defence

5 IMPACT

Once missile closes to self-homing distance, radar seeker locks on target for collision

4 FLIGHT

Missile tracked by radar and guided with help from FDC and its own homing sensors

2 ENGAGEMENT

Fire distribution centre (FDC)

Weapons control computer determines intercept point and relays data to launcher

3 LAUNCH

Mobile launcher

Fires missile towards intercept point. Can fire six missiles against six different targets in seconds

Launcher can be remotely controlled up to 25km away from FDC

AIM-120 AMRAAM

Length	3.7m
Diameter	18cm
Warhead	22.7kg
Speed	Mach 4
Range	30km*
Altitude	21km

Picture: Kongsberg

