



## MTK-201ME

The MTK-201ME multipurpose TV shipborne system is designed to surveillance air and surface situation in the ships and boats for all types of defense of self-defense zones, ship`s navigational safety and weapons control.

### Missions:

- automated and manual search of air, surface and coastal targets, including pinpoint, autonomous or according to targeting;
- visual detection, recognition and identification by operator of air, surface and coastal targets at round-the-clock;
- automatic, automated and manual tracking of targets, including high-speed;
- measuring of targets distance and angle coordinates, the computation of motion parameters;
- visual (thermal imaging and television), the coordinate and calculated data transmission in ship's information systems and radar fire-control systems;
- shipboard helicopters position and trajectory control during takeoff and landing, as well as monitoring of premises within the ship.

The system provides the fire-control of one or two artillery units simultaneously visually observed targets.

### Components:

- multi-sensor gyrostabilised turret;
- digital progressive scanning TV black and white, and color cameras;
- thermal imager 8-12 m;
- lasers range-finders, 1.06 m and 1.54 m;
- electronic units including auto tracker, video processor, and control units.

### Main characteristics:

- Coverage zones, deg:
  - azimuth:  $\pm 230$
  - elevation: -45 to +85
- Accuracy of auto tracking (RMS):
  - angular, mrad: 0,5
  - range, m: 10
- Detection ranges (typical), km:
  - Infrared sensor:
  - subsonic sea-skimming missiles ( $V_{ts}=300$  m/s): 7-8
  - supersonic sea-skimming missiles( $V_{ts}700$  m/s): 15-16
  - fighter aircraft: 12-15
  - helicopter: 8-9



- ships, coast target: 16-18
- TV sensors:
  - ships: 18-20
  - fighter aircraft: 13-15
  - helicopter: 8-10
- Coverage zone, limits:
  - laser range finder (=1.54 m) km: 0,05-25
  - laser range finder ( =1.06 m) km: 0,4-30



АО «Рособоронэкспорт» – единственная в России государственная организация по экспорту всего спектра продукции, услуг и технологий военного и двойного назначения. Входит в Госкорпорацию Ростех. «Рособоронэкспорт» образован 4 ноября 2000 года и является одним из лидеров мирового рынка вооружений. На долю компании приходится более 85% экспорта российских вооружения и военной техники. «Рособоронэкспорт» взаимодействует с более чем 700 предприятиями и организациями оборонно-промышленного комплекса России. География военно-технического сотрудничества России – более 70 стран.

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