



DESCRIPTION

“MRS-110” video surveillance is an electro optical system with a powerful rotating platform and with suitable daylight vision and long range night vision and 20km eye safe laser range finder. Having day and night target automatic track and capability of being linked to border guard radars and making use of native software, it is used for controlling borders security and for video surveillance. By putting several products from different locations in a network, it makes it possible for operation information of different combat units to be more effective in military operations.

FEATURES

- Target video track in day and night
- Capable of being linked to ground surveillance radars for effective use in border surveillance
- Capable of being installed on different types of tripods and rising platforms
- Having high image resolution at night by using long range cooled thermal camera
- Capable of being placed in a network
- Capable of operating in different weather conditions with high performance
- Having user- friendly native software capable of upgrading the system



TECHNICAL FEATURES

Sensor type	Cooled MCT detector
Spectral range	3.7 to 4.8µm
Number of pixel	256×320 pixels
Thermal sensitivity	less than 25 mc
Size of detector element	30 µm
Focal length	70/200/800 mm
Electrical zoom	2×
Brightness setting	Manual and automatic
Contrast setting	Manual and automatic
Narrow field of view	0.55 to 0.75°
Medium field of view	2.2 to 2.7°
Wide field of view	6.3 to 7.8°
Focal number	4
Angular resolution power	38 µrad
Cooling time	7 min
Operational temperature	-20 to +50°C
Weight	20kg
Dimensions	28×25×65cm
Detection range of receding aircraft	300km
Detection range of approaching aircraft	150km
Detection range of Karar UAV	40km
Rotating platform	
Horizontal rotation angle	360°
Vertical rotation angle	-20 to +70°
Horizontal rotation speed	0.1 to 90 °
Vertical rotation speed	0.1 to 50°
Resolution	0.05°
Vision camera	
Focal length	25 to 500mm
Wide field of view	8.2 ×11°
Narrow field of view	0.18 ×0.13°
Magnification	60× continuous
CCD format	1.3 inch
Resolution	596×1024
Focal range	5m to extreme
Magnification adjustment	motorize
Focus adjustment	motorize
IRIS adjustment	automatic
Weight	5.2kg