UAVSale

KY-20 Photoelectric Search and Tracking Pod

MD-P00451 · md-ky-20-photoelectric-search-and-tracking-pod

KY-20 photoelectric search and tracking system, mainly used for detecting, tracking, monitoring and recording targets at sea, land or air

TECHNICAL SPECIFICATIONS

Target size（M）	Detection distance（km） / Recognition distance（km） / Automatic tracking distance（km） /
people	0.5 1.8 / 6 / 3 / 3
10 10	25 / 20 / 20 /
12 5（Head-on）	20 / 15 / 15 /
Aims	Target size（M） / Detection distance（km） / Recognition distance（km） / 自动跟踪距离（km）
500 tons ship	10 10 / 25 / 20 / 20
12 5	20 / 15 / 15
Fighter	12 5 / 10
Type	Refrigeration detector
Spectral bandwidth	medium wave (3.7~4.8 m) 0.2 m;
Number of pixels	640x512 / 320 256;
Noise equivalent temperature difference (NETD)	25mk;
Field of view, 60-240mm focal length	9.15 7.32 (horizontal vertical); 2.29 1.83 (horizontal vertical); 120-500mm focal length: 4 3 to 0.9 0.7
Working distance	ambient temperature 25 C, relative humidity 80%, visibility greater than 15Km
Working band	0.4 ~ 0.9 m;
Field of view (500mm focal length)	0.81 0.55 (horizontal vertical) ~ 25.43 17.17 (horizontal vertical);
Beam divergence angle	1mrad;
Frequency	1 Hz;
Ranging accuracy	5 meters;
Multi-target indication	first and last echo strobe;
Minimum measuring distance	200 meters;
Maximum measuring distance	(visibility is greater than 20km, target reflectivity is 30%)

Working angle range	azimuth 170 , pitch -90 ~ +75 ;
Angle report accuracy	random error 0.5mrad (1);
Stable accuracy	random error 0.2mrad (1);
Tracking accuracy	random error 0.5mrad (1).
Tracking mode	related tracking / centroid tracking;
Related tracking and tracking frame adjustment range	16 16～128 128;
Related tracking search area range	64 64;
Deviation data output frequency	50Hz;
Deviation data output accuracy	0.5 pixels;
Mean Time Between Failure (MTBF)	300h.
Mean time to repair and repair (MTTR)	0.5h.

CERTIFICATION

Certification status is confirmed per order and is not published in the catalogue listing. Request the current declaration, test reports or conformity certificates from our sourcing team.

ORDERING INFORMATION

Model	KY-20 Photoelectric Search and Tracking Pod
Part number	MD-P00451
Lead time	30 days
Minimum order	1 unit
Supply	made_to_order

Generated from the UAVSale product catalogue. Figures are manufacturer-supplied and subject to configuration. For the current revision and full documentation set, contact our sourcing team.