

KTD-60 „KUMAK” - Day - Thermal Observation Camera



Designed for observation in day, night, fog and smoke conditions, the camera contains uncooled bolometric detector with resolution 640x480, sensitivity NEDT<100mK, wide-angle lens, and gives possibility to locate sources of warmth.

Daylight camera is made of CCD sensor with resolution 752 x 582 and sensitivity $\geq 0,1$ lux. View from cameras can be displayed on external display via PAL video signal or can be transmitted in multi-stream H.264.

Camera can be useful in SAR operations.

Thermal camera:

■ detector.....	uncooled bolometric array
■ resolution	640 x 480
■ spectral response	8 μ m - 12 μ m
■ sensitivity	NEDT<100mK
■ field of view (horizontal)	60°

Daylight camera:

■ detector.....	CCD 1/3"
■ CCD total pixels	470K
■ resolution	540TVL
■ sensitivity	$\geq 0,1$ lux
■ field of view (horizontal)	60°

KTD-60

■ analog video output.....	PAL, two independent TV and IR
■ digital video output.....	H.264 (MPEG-4 Part 10/AVC)
■ current consumption	10W cameras, 10W heating window
■ communication protocol	RS-485
■ power supply	24 VDC (+/-30%), (IEEE 802.3at, class 4)
■ operation temperature range.....	- 30°C to 50°C, hermetic case
■ dimensions	160x125x60 mm
■ weight	1,9 kg