

THALES



TV MARK3 SERIES



Cameras for tracking and observation



DESCRIPTION

The TVmark3 series of CCD cameras represents the very latest in military tracking and observation and have been designed for integration in military systems. TVmark3 cameras are mainly used for ground-based, naval observation and tracking applications. For very accurate tracking, the design is optimised for high Line-of-Sight stability. The camera can operate fully automatically and has extensive control features via a RS422 or RS485 interface.

TV MARK3 SERIES

Cameras for tracking and observation

CCD TV TECHNOLOGY

- MILSPEC cameras based on standard CCD sensor technology
- Camera available for black-and-white and colour images.

TECHNICAL DATA

TVmark3 version	02 (single FOV)	03 (dual FOV)	
Optical			
Spectral band	350-700 nm	350-700 nm	
Scene luminance	10-100.000 cd/m ²	20-64.000 cd/m ²	
Objective lens	150 mm	50/180 mm	
FOV (diagonal)		narrow	wide
	3°	2.5°	9°
LOS	0.1 mrad	0.1 mrad	1 mrad
Depth of focus	200 m. to ∞	250 m. to ∞	15 m. to ∞
Physical			
Weight	6 kg		
Dimensions	337 x 130 x 337 mm.		
Electronics			
CCD	738 x 575 pixels		
Illumination control	Auto/remote (adjustable testwindow)		
SNR	Weighted 50 dB		
Video output	CCIR 1V or 5V (75 Ω)		
Synchronisation	Internal/external		
Control	RS422		
Power consumption	25 Watt		
MTBF	>10.000 hrs. acc. MIL-HDBK-217F, naval unsheltered		
BIT	Offline (startup), online		
Environmentals			
Accordinging	Naval Environment		
Options			
Wiper/washer/colour			

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