



TV HOMING HEAD 145 mm

Features:

Intended for integration on aircraft as part of a surveillance / self-guidance system

- Robust design resistant to external influences
- Possibility to use different types of interfaces for integration (RS422, CAN, UART, 1553)
- Ability to support Strapdown INS
- Fully compliant with MIL / SORS standards
- Possible calibration according to customer needs
- Full customer support during integration



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TV HOMING HEAD 145 mm

CHARACTERISTICS

Detector type	1/2,8 type "EXMOR R" CMOS sensor
Resolution	2130 kPix
Field of view	63,7° (1X zoom) – 2,3° (30X zoom)
Image frequency	25 Hz
Zoom	30X optical, 12X digital

MONITORING OBJECTS POSSIBILITY

Tracking algorithm	Contrast / correlation
Radial tracking speed	10°/s

SYSTEM PERFORMANCE

Stabilization system	Position / speed
Azimuth range	-30° - +30°
Elevation range	-55° - +30°
Angular speeds (both axes)	60°/s

SYSTEM INTERFACE

Video input	Pixel port (LVDS)
Aux Video input (opcional)	HD-SDI (1080p, 25Hz)
Video output	HD-SDI (1080p, 25Hz)
Remote control interface	RS 422
TV camera interface	RS 232/ TTL

ENVIRONMENT - EXTERNAL INFLUENCES

Operating temperature	-20° C - +55° C
Storage temperature	+10° C - +45° C

POWER SUPPLY

Power	28V DC (±10%)
Nominal consumption	0,7A typically, 8A max

PHYSICAL CHARACTERISTICS

Caliber / Length	145mm / 247,5mm
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TV Head for self-guidance TV GSN 145mm is a highly reliable system.

It is the ideal solution for integrating smart weapons into remote-controlled and self-guided aircraft and self-guided missiles.

Depending on the needs of the user, the TV 145mm can be prepared and integrated into the aircraft / rocket so as to satisfy both modes of the terminal phase of the flight LOBL - lock before launch and LOAL - lock after launch.

The TV GSN 145mm is equipped with electronics for control, stabilization and video processing integrated around the mechanical structure that carries the TV sensor.

The pilot interface and a set of software routines enable the control of all observation functions as well as the control of the GSN-145mm TV in all phases of flight.

Additional input to the system allows simulation of the mission from launch to the terminal phase of the flight.



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