

## Long Range Naval Binocular Telescope

- Applications:**
- Navy and merchant fleet
  - Cruise ships, yachts
  - Ports and harbours
  - Oil rigs
  - Border control



The LR NBiT is designed for long distance observation over sea or land. The superb optics together with the high light-gathering power allows the effective use of NBiT from dusk till late dusk. A crucial combination of high magnification and wide field of view creates optimal parameters matched by unparalleled performance.

NBiT is not only an excellent piece of observation equipment but, if necessary, by using azimuth coordinates and target elevation, it can define target coordinates.

NBiT incorporates a complex set of cleverly designed light filters in the left and right oculars. They significantly reduce the incoming direct light and enhance, simultaneously, the contrast of the observed target.

To withstand ship vibration NBiT is mounted on a solid column fixed to a ship deck. To provide long hours of comfortable viewing the LR NBiT is equipped with soft rubber eyecups and a soft forehead cushion.

Due to its outstanding performance in adverse weather conditions with working temperature ranging from  $-30^{\circ}\text{C}$  to  $+50^{\circ}\text{C}$ , high humidity with fog dispersity of 1-10 microns (equivalent of 95% droplets) and watery of 2-3  $\text{gr}/\text{m}^3$  the LR NBiT is a popular choice among navy and merchant fleets.

### Specifications:

Magnification, x	$20 \pm 1$
Field of view, deg	$5^{\circ} \pm 15'$
Exit pupil, mm	$5.5 \pm 0.3$
Eye relief, mm	$17 \pm 1.7$
Diopter range,	$\pm 3$
Objective diameter, mm	110
Sighting range	
· horizontal	$360^{\circ}$
· vertical	$-20^{\circ}$ up to $+85^{\circ}$
Dimensions: LxW, mm	700x530
Height, Min...Max, mm	1 715...2045
Weight with column, kg	74