

Vistar IM233

For Integrated
Bridge Systems

MARINE NIGHT VISION SYSTEM



The IM233 is a night vision system for fitting into customised bridge layouts where the displays and controls form an integral part of the control console. The VISTAR images may be presented on either dedicated display screens or selected by any one of a number of multi-purpose screens. These can also display radar, navigation data, or engine room status etc. A small VISTAR control panel is provided for building into the helmsman's console adjacent to the arm rest.

The potential collision path and range

markers are superimposed on the video images fed to the display screens. With suitable interfacing, the VISTAR may be set to follow automatically manually selected radar targets thus providing standard identification.

The image intensifier is fully sealed and protected against the marine environment.

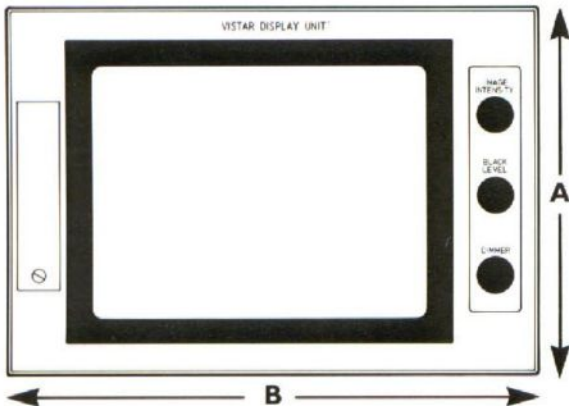
McLennan Marine Ltd.

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Surrey GU15 3DF
Tel (Sales Office): (0276) 26506 Fax: (0276) 26505

System Specification

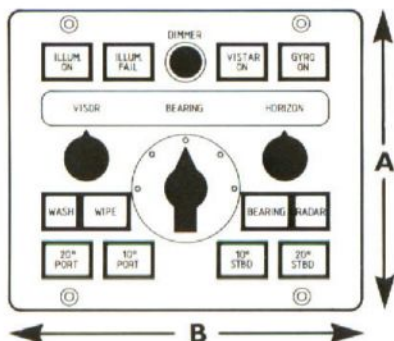
Operating light level	Daylight to darkness
Image intensifier F.O.V.	22° Hor. × 16.5° Vert.
Panning angle	10°, 20°, 30° Port or Stbd.
Search angle	120° Port or Stbd.
Horizon adjustment	+/-8°
Pitch stabilisation	Optional Gyroscope unit
Radar bearing interface	Optional with interface unit
Wash wipe facility	Standard
Display outputs	3 × CCIR or EIA
Electronic highlight visor	Standard
Range markers	0.2, 0.1, 0.5NM
Heading marker	Standard
Infra red illumination	Optional 4 × 150W
Operating voltage	Standard 24V DC supply
Intensifier and control consumption	80 watts max
System weight less displays	40 Kg
Intensifier operating temperature	-25°C to +45°C
Control designations	Variable illumination

Control Panels, Layout and Dimensions



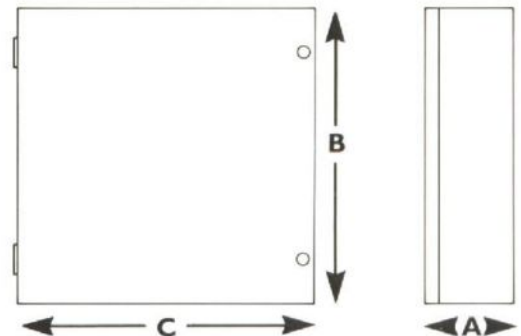
Vistar Display Unit

	A	B	C (depth)
mm	215	307	290



Vistar Control Panel

	A	B	C (depth)
mm	142	166	100



Custom Control Box

	A	B	C (depth)
mm	120	400	400

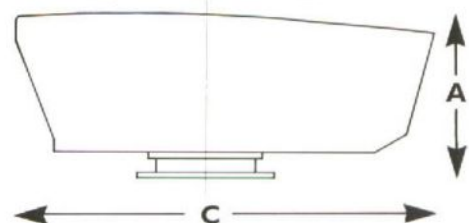
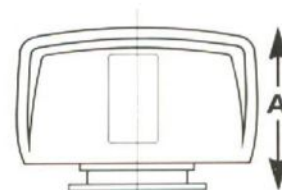


Image Intensifier Unit

	A	B	C (depth)
mm	300	460	770