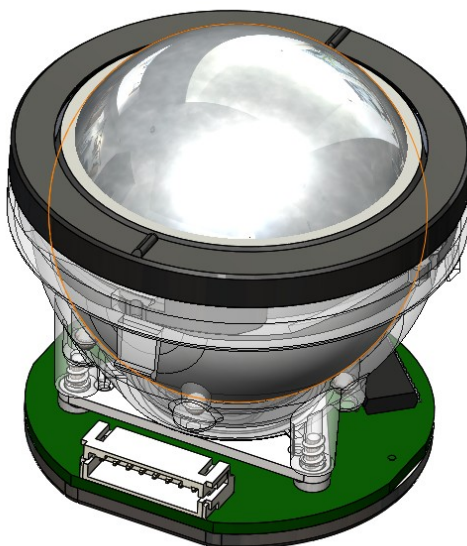

X50 Series – 50mm Optical Trackball, Top Mount, USB & PS/2 Output



1 DESCRIPTION

Utilizing the latest and most advanced infra-red optical tracking technology, the X50 Series top mount optical Trackerball™ is an extremely high specification, contact-less device, ideal for the most demanding of cursor control applications.

The trackball has been designed to be mounted from the top side of the keyboard/panel without the need for any fixings or fasteners, providing reduced integration costs and assembly/installation times.

The optical tracking engine provides accurate cursor motion at all speeds, combining the benefits of solid state sensing (no moving parts except the ball) with the aesthetics, functionality and performance associated with the Cursor Controls product range.

The design incorporates a removable top ring as standard to allow for easy cleaning, decontamination, sterilisation and maintenance - ensuring continued optimum performance and operation under the harshest of conditions.

The X50 Series trackballs are available with a variety of electrical outputs and tracking force options.

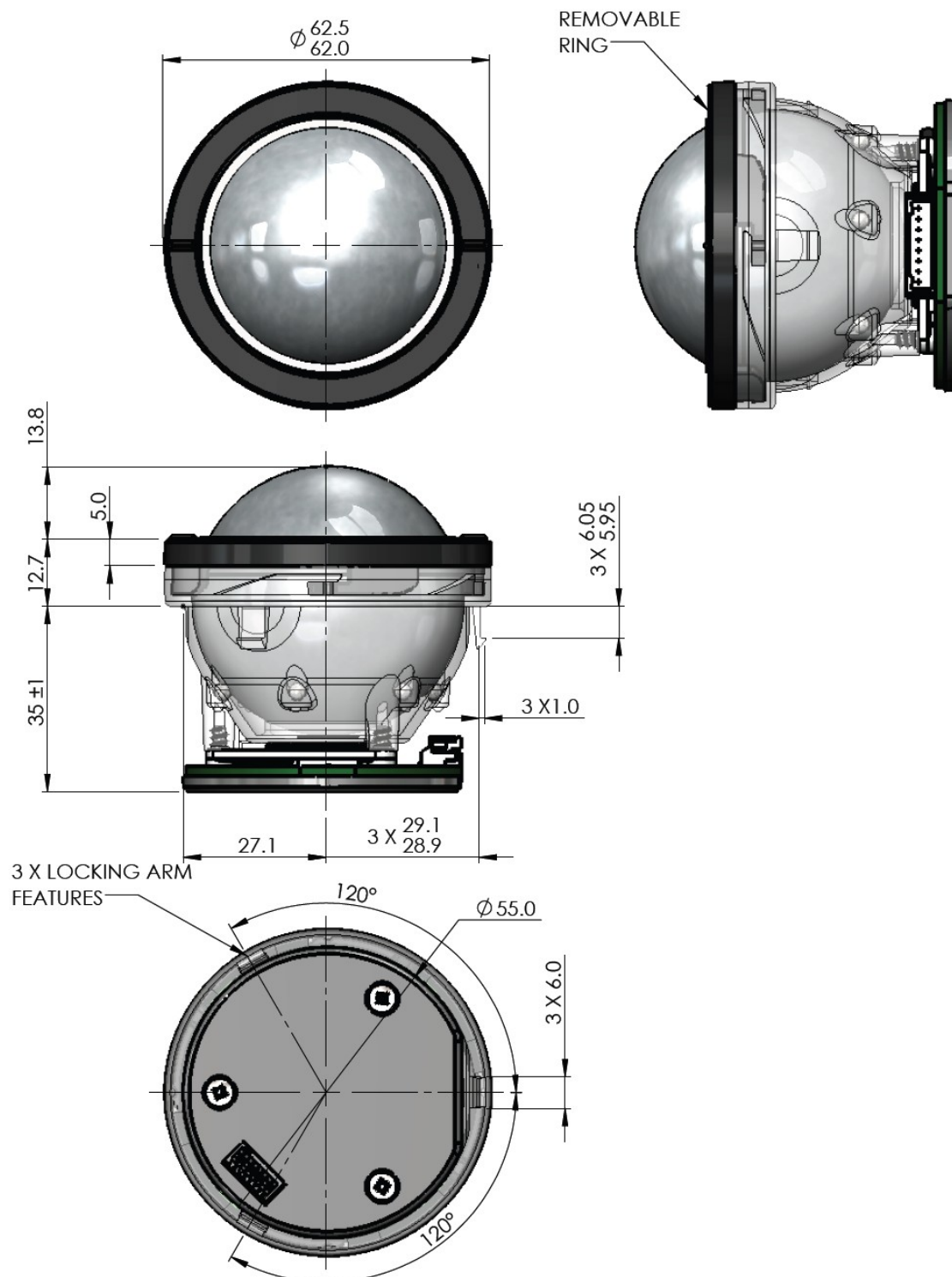
2 FEATURES

- Solid state sensing technology – infra-red optical tracking engine
- Top mount installation – see section 8 for further details
- Sealing up to IP68
- Electrical outputs: USB & PS2 (auto-select)
- Smooth operation in rugged environments
- Various top plate configurations
- Custom connector options
- Various ball colours
- VX3™ – integrated zoom feature for scroll wheel functionality

3 APPLICATIONS

- Medical systems
- Marine systems
- Custom keyboard applications
- Industrial consoles
- OEM custom solutions available

7 DIMENSION DRAWING



Dimensional drawing specifies factory default orientation. All dimensions are in mm unless otherwise stated.
Tolerances $\pm 0.25\text{mm}$ unless otherwise stated
Please note that an IGES model is available on request. Please contact your local sales office for more information.

9 PRODUCT ORDERING CODE SYSTEM

Please construct your standard product ordering code by selecting the numbers and letters to suit your specification:

X	50	-	8	6	0	1	X	D	-	G
Product range X = X Series	Ball size (Nominal mm)									
Sealing capabilities* 8 = Customer defined										
Electrical output* 6 = USB & PS2 (auto select)										
Integrated switches 0 = No external Switches										
Mounting option 1 = Mount to front of panel										
Top plate & body style* 1 = Black top ring & body - damper ring 3 = Black top ring & body - PTFE seal										
Ball colour* D = Metallic grey										
Tracking engine G = Infra-red optical tracking technology										

*For further options please contact your local sales representative

9.1 ORDERING EXAMPLE

X50-86013D-G: X50, customer defined sealing, USB & PS/2 output, no external switches, mount to front of panel, black top ring & body – PTFE Seal, metallic grey ball, infra-red optical tracking technology.

10 DOCUMENT HISTORY

ISSUE	DATE	AUTHOR	REMARKS
A	15.09.20	N.S	Document released

All information contained herein should be regarded as confidential and is supplied subject to Cursor Controls Ltd Terms and Conditions – a copy of which is available on request or can be found at www.cursorcontrols.com/terms-conditions

Whilst the information provided herein is to the best of our knowledge true and accurate, it should be used for guidance only and may be subject to change. You are therefore advised to ensure all information provided herein is current and up to date and suitable for your application. Use of Cursor Controls Ltd products in life support/critical systems is only permitted with prior written consent of the Company.