X-EYE PRESENCE & AIRBUTTON

XY range

The Nexmosphere XY range offers a variety of sensors for detecting and analyzing the presence, distance, and demographics of the people in front of your interactive display or signage installation. Whether you want to increase the impact by triggering the right content at the right time, want to program attractive lighting changes and increase engagement or want to collect valuable data, the XY range has a sensor which provides the input to do so.

The X-Eye Presence & Airbutton sensor is an IR Time-of-Flight sensor which can detect if an object or person is present, and if so, indicate the distance to the person. This enables implementation of multiple trigger zones, such as head-turning lighting effects on connected LED lighting when a person is far away and the appearance of call-to-action video content when they approach. Next to this, the sensor has a dedicated Airbutton zone for detecting touchless input of the user, simply by placing a hand in front of the sensor.

Features

• Time-of-Flight presence sensor with distance measurement
• Adjustable 27° Field-of-View
• up to 250cm detection distance
• Dedicated Airbutton zone for touchless user input

X-talk

The X-Eye Presence & Airbutton sensor can easily be connected to any of the Nexmosphere Xperience controllers using the X-talk interface. All settings of the XY sensor are programmable on the controller, enabling a seamless integration in your application.
• Plug and smile interface
• Compatible with any Nexmosphere Xperience controller
• Powered by and programmable with Nexmosphere Xperience controller

Presence & Airbutton detection

Presence & Airbutton sensors can be highly valuable to trigger your experience to start at just the right moment. Trigger your presentation to come alive when the shopper approaches the display and activate interactive content as soon as the shopper provides touchless user input by placing their hand in front of the sensor.

• 10 distance zones available, 25cm each (total 0-250cm)
• Dedicated Airbutton zone for touchless user input
• Adjustable settings and Field-of-View

Benefits

• Small form factor facilitates sleek integration into your Digital Signage design
• Multiple sensors can be installed side-by-side with only 15cm interspacing to create a high-resolution detection grid for detecting where a person is standing
• Auto-calibration and auto-start for highly reliable applications (24/7)
• Status LED indicating trigger detection

X-EYE PRESENCE

Mounting specifications
• Mount in such a way that the sensor has a clear view (see panel cut out section for more info)
• Position the sensor in such a way that it is not directed perpendicular towards a window.

Field-of-View
Range:	XY-240:	0-250cm
	XY-241:	0-170cm
Angle:	XY-240:	15-27°
	XY-241:	15-27°

Thermal specifications
Operating temperature:	+10'C...+40'C/ +50'F ... +104'F
Storage temperature:	-20'C...+50'C/ -4'F ... +122'F

Electrical specifications
Operating voltage:	5V DC (via X-talk interface)
Power consumption:	50mA
IR Emitter:	940nm invisible laser
Laser classification	Class 1

Miscellaneous
• Custom cable lengths available on request
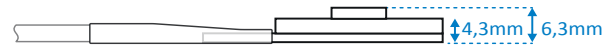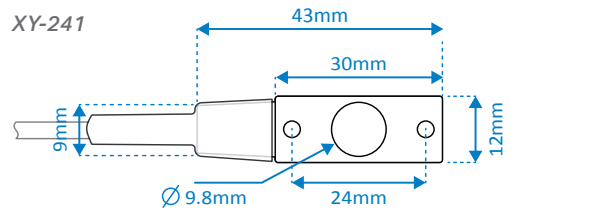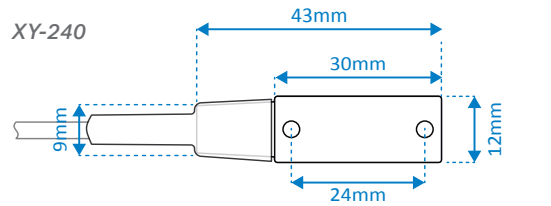• 1 year warranty (optional 3 year extended warranty available)

Packaging
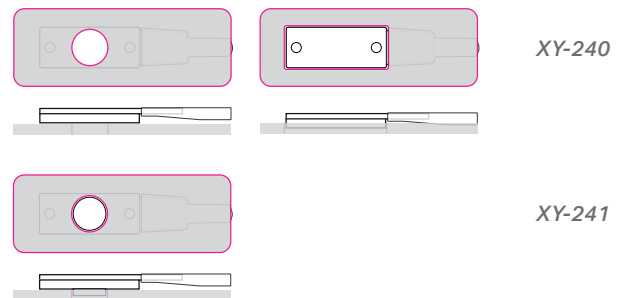Items per carton   1, 10 or 50 pcs

Standards and Certifications

CE RoHS compliant

Mechanical dimensions
LxWxH:	XY-240:	43 x 12 x 4,6 mm
	XY-241:	43 x 12 x 6,3 mm
Screw holes:	3mm diameter	

XY-240

XY-241

Front panel cut-out
XY-240: Ø >10mm cut-out, 5mm max panel thickness
   or 30,5 x12,5mm cut-out, 7mm max panel thickness
XY-241: Ø >10mm cut-out, 5mm max panel thickness

XY-240

XY-241

Ordering information
Product ID	Description	Netto weight	Quantity
XY-240	X-Eye Presence & Airbutton, 2.5m range, flat cover, 180cm cable	24g	1 pc
XY-241	X-Eye Presence & Airbutton, 1.7m range, embossed cover, 180cm cable	24g	1 pc