



# IXIO-DT1V

MOTION AND PRESENCE SENSOR  
WITH CAMERA FOR SLIDING DOORS

## DESCRIPTION

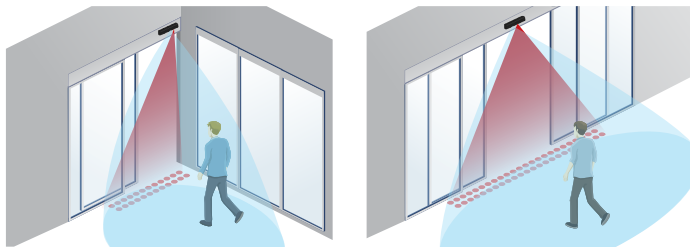
BEA's **IXIO-DT1V** is the premier motion and presence sensor for sliding doors. Coupled with the dual technology, the **IXIO-DT1V** includes an NTSC-compliant video surveillance camera that provides high quality footage of those entering and exiting a building.

The **IXIO-DT1V** can be adjusted into ANSI compliance solution and has earned a comprehensive list of credentials and certifications, including FCC and IP54.

The high quality camera offers a wide field of view and is ideal for video documentation of pedestrian traffic, liability and warranty documentation, people counting and security applications, in a variety of environments.

The **IXIO-DT1V** ensures convenience, safety and energy efficiency on automatic sliding doors.

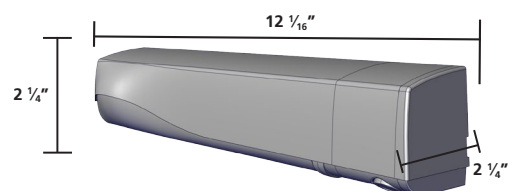
## APPLICATIONS



Single Slide

Dual Slide

## DIMENSIONS



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## TECHNICAL SPECIFICATIONS

### TECHNOLOGY / PERFORMANCE

<b>Detection mode:</b>	Motion minimum detection speed: 2 in/s	Presence typical response time: < 200 ms (max: 500 ms)
<b>Technology:</b>	Microwave doppler radar Transmitter frequency: 24.150 GHz Transmitter radiated power: < 20 dBm EIRP Transmitter power density: < 5 mW/cm <sup>2</sup>	Active infrared with background analysis Spot: 2" x 2" (typ) Number of spots: max. 24 per curtain Number of curtains: 2
<b>Mounting height:</b>	6'6" – 11'6" local regulations may impact acceptable mounting height (pedestrian applications only)	
<b>Sensor temperature range:</b>	-13 – 131 °F * 0 – 95% relative humidity, non-condensing  LCD screen is operational from 14 – 131 °F. The sensor may still be programmed in colder temperatures, but with the remote control.	

### ELECTRICAL

<b>Output:</b>		
Relay 1	Electromechanical relay (potential and polarity free) Max. contact current: 1 A Max. contact voltage: 30 VAC Adjustable hold time: 0.5 – 9 s	
Relay 2	Solid-state relay (potential and polarity free) Max. contact current: 100 mA Max. contact voltage: 42 VDC / 30 VAC	
<b>Test/Monitoring input:</b>	Sensitivity: Low: < 1 V High: > 10 V (max. 30 V)  Response time on test request: typical < 5 ms	
<b>Supply voltage:</b>	12 – 24 VAC ±10% 12 – 30 VDC ±10%  to be operated from SELV-compatible power supplies only	
<b>Power consumption:</b>	< 2.5 W	
<b>Noise:</b>	< 70 dB	

### CAMERA

Voltage regulator (built into wire harness): 6.6 – 36 VDC (±10%), 6 – 28 VAC (±10%)	
Operating temperature: -22 – 140 °F (max. RH: 95%)	Video output: 1.0 (Vp-p) / 75Ω
Image Sensor: CMOS	Horizontal resolution: 480 TVL
NTSC output: 720 (H) x 480 (V)	Sync system: Inter-Sync
Frame rate: 30 fps	Minimum illumination: 0.01 LUX
AE control: auto	Gain control: auto
Electronic shutter: 1 s – 1/10,000s	S/N ratio: > 50 dB
AWB: Auto	

### PHYSICAL

<b>Degree of protection:</b>	IP54
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### COMPLIANCE

<b>FCC certification:</b>	FCC: G9B-100606 IC: 4680A-100606
<b>Compliance:</b>	ISO 13849 PL «C» CAT. 2 (under the condition that the door control system monitors the sensor at least once per door cycle)

