



IXIO-DT1V

MOTION AND PRESENCE SENSOR
WITH CAMERA FOR SLIDING DOORS

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TECHNOLOGY



CERTIFICATIONS



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, and security applications, in a variety of environments.

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



Additional Camera Functionality

Provides an SDTV camera that shoots 30 frames of footage per second

Easily Integrates

Integrates with building surveillance systems

Upgrade IXIO In The Field

Video replacement kit available to upgrade any IXIO in the field

Energy Efficient

Ten microwave activation sensitivity settings and three infrared safety immunity settings

Enhanced Accessibility

PRM mode for applications frequently used by persons with reduced mobility (i.e. wheelchair or elderly traffic)

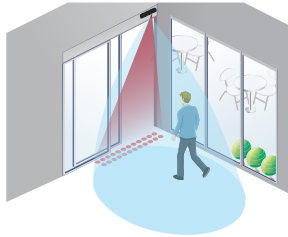
Precise Presence Detection

Two 24-spot, high-density, infrared safety curtains providing precise presence detection

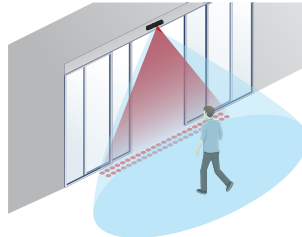
Standard Compliant

Fully monitored internally, capable of external monitoring

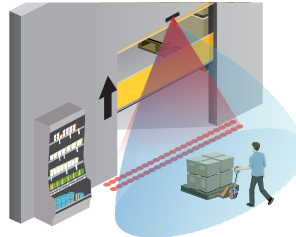
APPLICATIONS



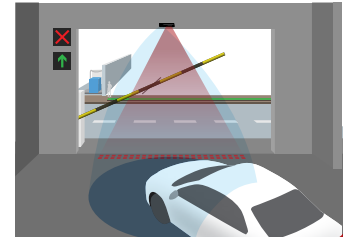
Single Slide



Dual Slide



Industrial Doors



Vehicle / Gate Detection

TECHNICAL SPECIFICATIONS

TECHNOLOGY / PERFORMANCE

Detection mode:	Motion minimum detection speed: 2 in/s	Presence typical response time: < 200 ms (max: 500 ms)
Technology:	Microwave doppler radar Transmitter frequency: 24.150 GHz Transmitter radiated power: < 20 dBm EIRP Transmitter power density: < 5 mW/cm ²	Active infrared with background analysis Spot: 2" x 2" (typ) Number of spots: max. 24 per curtain Number of curtains: 2
Mounting height:	6'6" – 11'6" local regulations may impact acceptable mounting height (pedestrian applications only)	
Sensor temperature range:	-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

Output:		
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	
Test/Monitoring input:	Sensitivity: Low: < 1 V High: > 10 V (max. 30 V) Response time on test request: typical < 5 ms	
Supply voltage:	12 – 24 VAC ±10% 12 – 30 VDC ±10% to be operated from SELV-compatible power supplies only	
Power consumption:	< 2.5 W	
Noise:	< 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

Degree of protection:	IP54
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COMPLIANCE

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

PRODUCT SERIES



10IXIODT1V
Dual technology
sensor with video



10IMB
Mounting bracket
adapter



10.1279
Replacement cover
(includes camera)



10RETROFITSPACER
Retrofit Spacer Kit -
includes spacer, 2.5" harness,
and 9" harness



10MINIBRACKET
Short adjustable
mounting bracket



10REMOTE
BEA universal remote
control

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