

# NVX80

High end motion detector with  
Anti-Mask & SeeTrue™ Technology  
for Indoor / Outdoor Use



OLED



ENVY  
SERIES

PARADOX  
DIGITAL  
DETECTION



## Unprecedented Reliability & Sensitivity

The Paradox NVX80 with SeeTrue™ technology (patent pending) delivers superior motion detection with advanced capabilities, beyond others in its class. It is the only motion detector in the industry that offers 8 detection channels – 4X forward looking PIR channels (that has 2X quad interlock geometry sensors), 2X microwave channels and 2X dedicated Creep Detector (that has 1 quad sensor with interlock geometry).

The NVX80 is the detector to choose when protecting high value, high security sites that demand high performance. It offers durability and resilience under different conditions including extreme environments. It's suitable for indoor, outdoor, commercial, industrial and residential applications

NVX80 combines active infrared, microwave, anti-masking and SeeTrue™ technologies enabling detection capabilities that are beyond previously known limits. This unique aggregation enables highly efficient detector sensitivity while at the same time, enhancing reliability and minimizing false alarms.

The technology blend in the Paradox NVX80 with SeeTrue™ significantly improves recognition of intruders trying to avoid detection by using cloaking materials (heavy coats, cartons, umbrellas etc.). NVX80 detects movements that are difficult for standard PIR to identify and retains reliability, even in high temperature environments.

NVX80 comes with Easy Slide mounting and full-color OLED display, designed for quick installation and menu-driven, no manual programming. The NVX80 is built tough and is vandal resistant.

## Superior detection with high sensitivity and without compromising reliability

The NVX80 combines unique Paradox innovations to create the ultimate in detection capabilities – high sensitivity without compromising reliability and accuracy (even in high temperature conditions):

- ▶ SeeTrue™:
  - Improves detection of both IR (3 x quad sensor) and dual channel microwave (MW) technology
  - Significantly reduces false alarms
  - Features 2 detection modes (Sterile and Secure)
- ▶ Superior active IR anti-mask detection
- ▶ Improved optics, 50% greater than standard focal length, higher efficiency lens
- ▶ Paradox Pet Immunity™ – recognizes animals up to 20kg (44 lbs) and minimizes false alarms
- ▶ Dedicated Creep Detection that can be independently customized
- ▶ Easy, menu-driven programming – full-color OLED + 4-button interface drives intuitive, no manual programming
- ▶ Straightforward diagnostics dedicated to testing technologies individually (PIR, MW, anti-mask, SeeTrue™) during and after installation
- ▶ 3 relay outputs enable maximum flexibility and compatibility with other security systems
- ▶ Paradox Digiplex interface with remote programming capability using EVO bus
- ▶ Sleek, vandal resistant design and tough construction. Durable in any environment

## Paradox Unique Technologies

### SeeTrue™ Technology (Patent Pending)

Developed exclusively for the NVX80 motion detector, SeeTrue™ enhances detection sensitivity and reliability (even in high temperature environments) while, at the same time, significantly reducing false alarms. The NVX80 with SeeTrue™, utilizes dual-tech infrared and microwave motion detection to identify camouflaged movements to “see through” tricks used to breach common PIR detectors.

SeeTrue™ offers two levels of security, within a 12 meter range:

- ▶ **Secure Mode** – provides excellent coverage, enhanced detection sensitivity without losing detection reliability.
- ▶ **Sterile Mode** – provides the strictest sensitivity, making it almost impossible to move undetected in the protected area.

### Active IR Anti-Mask Detection (Patent Pending)

Paradox anti-mask technology improves on solutions currently in the market with its enhanced sensitivity as well as higher reliability and accuracy. The NVX80 recognizes objects placed in close proximity of the lens, clear wood lacquer, aluminum foil, clear adhesive tape etc., movement within close range of the unit and degradation of the lens by dirt or dust. Confirmation of movement detection by microwave (in short ranges) increases the reliability in detecting an anti-mask event.

### Dedicated Creep Detector

The NVX80 offers an integrated unit (with dedicated sensor and circuitry) for Creep Detection that enables independent customization of creep sensitivity to secure the area directly below the detector.

### Pet Immunity™ (Patented Paradox Technology)

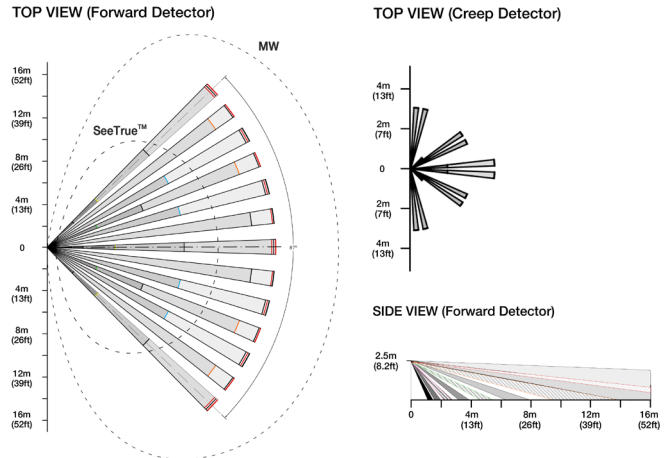
The NVX80 features Pet Immunity™ (2 modes) which prevents pets weighing up to 20kg (44 lbs.) from triggering the detector and creating a false alarm. By filtering the movement of the pets, the detector's reliability increases.

### OLED Display & Easy, “No Manual” Programming – No Jumpers, No Dipswitch

Paradox is pioneering intuitive, no manual programming for fast and efficient installation. Sophisticated technology does not need to be difficult to use or configure.

The full-color OLED menu display and 4-button interface provides an intuitive guide for installers to program and customize settings as well as test the unit. All programming, customization and calibrations are made via the OLED screen and interface. It shares detection status and notifies of possible problems. Dedicated diagnostics for PIR, MW, anti-mask and SeeTrue™ enable simple, accurate, one time installation. No jumpers, trimmers or complex wiring needed.

## Paradox delivers cutting edge digital detection technology



## Technical Specifications

<b>SeeTrue™</b>	Indoor use, two levels, secure and sterile, range up to 12 m (36 ft)
<b>Dual Anti-Mask</b>	Selectable: 1) Active IR: Proximity and blocking comply / surpass EN50131 grade 3 for all materials, liquids, with indoor / outdoor levels. 2) Active Microwave for proximity detection.
<b>Coverage Pattern</b>	16 m (52 ft) 90° with creep detection
<b>Installation Height</b>	2.5 - 3 m (8 - 10 ft)
<b>Current Consumption (at 12v)</b>	75 mA - 100 mA
<b>Outputs</b>	Relay 1: 1A 24 VDC Form C Relay 2 and 3: 150 mA / 24 VDC Form A
<b>Display</b>	OLED, 16-bit, 96 x 64 pixels
<b>Dimensions</b>	9.8 cm x 22.9 cm x 9.2 cm (3.8 in x 9.0 in x 3.6 in)
<b>Tamper</b>	Dual: Cover and Wall
<b>RF Immunity</b>	10 V/m up to 2.7 GHz
<b>Operating Temperature</b>	-35° to 60° C (-31° to 140° F)
<b>Bus Connection</b>	Paradox Digiplex EVO line
<b>Certification</b>	Certification EN 50131-2-4 Grade 3 Class IV, Certification Body: Intertek
<b>Construction Materials</b>	ASA UV Resistant
<b>Accessories</b>	All Weather Cover Swivel Bracket
<b>Programming</b>	Interactive 4-button programming with graphic menu display (no jumpers) or via 4-wire communication bus (with upload / download software)
<b>Weight</b>	520 gr / 1.1 lbs
<b>PIR Forward</b>	2x quad sensors with interlock geometry
<b>PIR Creep</b>	1X quad sensors with interlock geometry
<b>Microwave</b>	Dual output 10.5 GHz