

The Digital Detection ENVY Series™

# NVX80

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

The NVX80, a grade-3 dual technology detector, is designed specifically for high security outdoor or indoor environments. Deploying Paradox's SeeTrue™ technology, combined with 8 detection channels, NVX80 is comprised of 4X forward-looking PIR channels, 2X microwave channels, and 2X dedicated Creep Detectors, all supported by advanced detection algorithms. Delivering exceptional detection performance, the NVX80 bypasses routine and environment interference, such as swinging plants, small animals and light reflections, therefore, minimizing false alarms.

Paradox NVX80 with SeeTrue™ technology dramatically enhances recognition capabilities of intruders attempting to avoid detection by using cloaking materials (heavy coats, cardboard boxes, or umbrellas). The detector's anti-masking mechanism can also detect attempts to blind the NVX80. Even placing an object in front of the camera or spraying the camera lens with a transparent lacquer will quickly be discovered.

NVX80 is easy to install and program with an innovative, full-color OLED menu display with 4-button interface, providing installers with a uniquely intuitive system for device settings and testing.

The NVX80 detector is compatible with Paradox's EVO and Spectra security systems to fully protect any secured location.



OLED



ENVY  
SERIES

PARADOX  
DIGITAL  
DETECTION



P ▲ R ▲ D O X™

# Features and Benefits

## ► SeeTrue™ Technology\*

Developed for the NVX80 motion detector, SeeTrue™ enhances detection sensitivity and reliability, even in high temperature environments, while significantly reducing false alarms. The NVX80 with SeeTrue™ uses both PIR and microwave motion detection to identify camouflaged movements often used to breach standard PIR detectors.

## ► Eight independent detection channels for maximum security

Eight independent detection channels deploying Paradox's advanced detection algorithms ensure intruders cannot escape detection even in harsh outdoor environments.

## ► Active IR\* & MW Anti-Mask Detection\*\*

Paradox anti-mask detection technology is a significant improvement over similar market solutions, offering enhanced sensitivity, higher reliability and greater accuracy. The NVX80 anti-masking mechanism deploys active IR with on-lens grooves to protect against proximity and transparency masking. Any attempt to blind the NVX80 either by placing an object in front or spraying with transparent lacquer will be quickly detected.

## ► Dedicated Creep Detector

NVX80 offers detection channels for creep detection that enables independent customization of creep sensitivity to secure the area directly below the detector.

## ► OLED Display and Easy, "No Manual" Programming – No Jumpers, No Dipswitch

All programming, customization and calibrations are dipswitch-free and performed via the OLED screen and interface. The OLED display also enables fast and easy dedicated diagnostics of the NVX80, PIR, MW, anti-mask and SeeTrue™.

## ► Pet Immunity™ (Patented Paradox Technology\*\*)

The NVX80 features Pet Immunity™ in two modes effectively preventing pets weighing up to 20 kg (44 lbs.) from triggering the detector and generating a false alarm. By filtering a pet's movement, the detector's performance and reliability significantly increases.

\*Patent pending

\*\*Patented



# Technical Specifications

<b>SeeTrue™</b>	Indoor use, two levels - secure and sterile, up to 12 m (36 ft)
<b>Dual Anti-Mask</b>	Selectable: 1) Active IR: Proximity and blocking comply 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>	Typ. 80 mA, max. 100mA
<b>Outputs</b>	Relay 1: 1A 24 VDC Form C Relay 2 + 3: 150 mA / 24 VDC Form A
<b>Display</b>	OLED, 16-bit, 96 x 64 pixels
<b>Dimensions and Weight</b>	9.8 cm x 22.9 cm x 9.2 cm (3.8 in x 9.0 in x 3.6 in) 520 gr / 1.1 lbs
<b>Tamper</b>	Dual: Cover and Wall
<b>RF Immunity</b>	10 V/m up to 2.7 GHz
<b>Operating Temperatures</b>	-35° to 60° C (-31° to 140° F)
<b>Bus Connection</b>	Paradox EVO Series, 4 wires
<b>Certification</b>	EN 50131-2-4 Grade 3 Class IV
<b>Production Materials</b>	ASA UV Resistant
<b>Accessories</b>	All-weather cover, swivel bracket
<b>Programming</b>	Interactive 4-button programming with graphic menu display or via EVO bus
<b>PIR</b>	PIR Forward: 2x quad sensors with interlock geometry PIR Creep: 1x quad sensor with interlock geometry
<b>Microwave</b>	Dual output 10.5 GHz

# Unmatched Digital Detection Technology

