

## VIUGUARD DEFENDER

### GENERAL DESCRIPTION AND SPECIFICATIONS



#### DESCRIPTION

The Vioguard Defender is a self-sanitizing keyboard that is FDA cleared. It uses the germicidal properties of ultraviolet light (UV-C) to automatically disinfect the keyboard and track pad after every use. The system is 99.99% effective in killing harmful microorganisms within seconds, eliminating the need for manual disinfection and disposal of biohazard waste.

The Defender does not require human intervention. The system is pre-set to automatically engage once the keyboard has been idle for a two, five or 10-minute interval, which is chosen by the user. Additionally, there is an option to manually retract the keyboard after each use to sanitize the system, ensuring consistent and reliable disinfection.

The sanitization process engages automatically and confirms that the surfaces have been properly sanitized, ensuring consistent and reliable disinfection. The system utilizes a monitoring system that tracks overall usage, number of cleaning cycles for the unit and number of cleaning cycles for the replaceable light cartilage.

The only disposable or maintenance item on the Defender is the UV light tray. The light tray can be replaced by the end-user and recycled by sending it back to Vioguard.

#### TECHNICAL SPECIFICATIONS

**Model #:** UVKB-50 V2.0.

**Power Input:** 100-240 VAC, 50-60 Hz.

**System Power:** 12V DC ~ 4.17 Amps.

**Power Consumption:** 50 Watts when cleaning for 90 seconds. Less than 1 Watt when idle.

**Material:** Steel, Aluminum, Glass, Plastic, Rubber, and associated materials with Circuit Boards.

**Light Source:** UV-C (Rating: IP61 and IPx1).

**Status Indicator:** LEDs indicates system and disinfection status.

**Disinfection Time:** 90 seconds (average, based on default UV dosage setting).

**PC Interface:** Single USB 2.0 compatible for both keyboard and touchpad. No special drivers required.

**Operating System:** Compatible with Mac, Linux, Windows (simply plug and play).

**Safety:** Mechanical and Electrical features to prevent external UV exposure.

**Automated Compliance:** Self-Sanitizes after 2, 5 or 10 min. of non-use (user selected).

**Input:** Full keyboard, numeric keypad and touch pad (available in any language).

**Weight:** 17 pounds (7.7 kg).

**Dimensions:** 20W X 10.25D X 3.5H inches.

**Compliance Certifications:** FDA, UL, CE