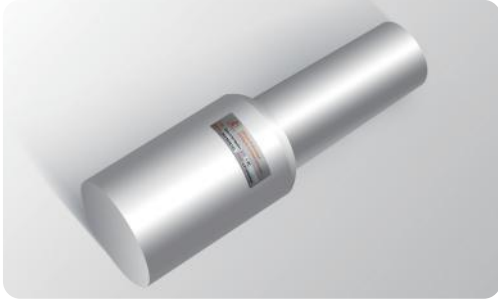


## 1. Overview



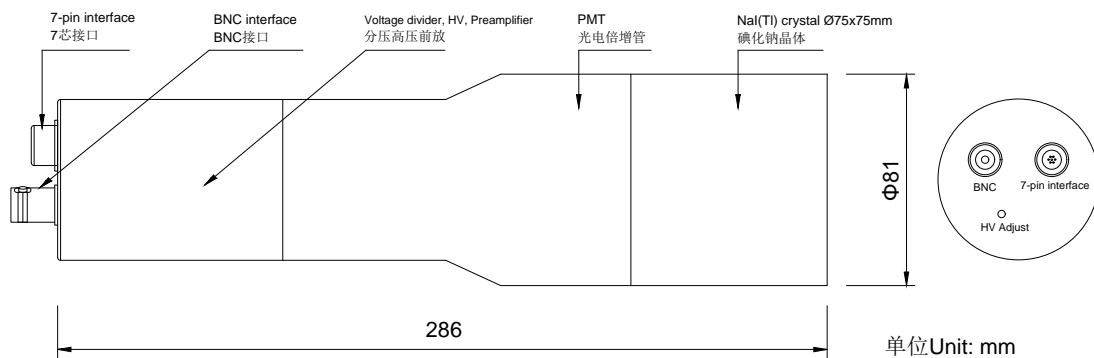
The ENAI-D76H76DHP01 scintillator detector is a highly integrated detector composed of a 3-inch NaI scintillator, photomultiplier tube, voltage divider, high-voltage module, and preamplifier. It can be used for gamma ray energy spectrum measurement, directly output negative polarity signal. Due to its high sensitivity, good energy resolution rate, stable performance, compact structure and other characteristics, it is widely used in energy spectrum measurement and analysis, building materials and food and other radioactive level analysis field.

## 2. Main technical parameters

- ▶ Input voltage ..... +11.5~+12.5V
- ▶ Max.input current ..... 50mA
- ▶ Effective size of scintillator .....  $\Phi 75 \times 75 \text{mm}$
- ▶ Output signal polarity ..... Negative
- ▶ Output signal amplitude ..... 1V
- ▶ Max Output signal amplitude ..... 6V
- ▶ Energy resolution .....  $\leq 7.5\%$
- ▶ Work environment Temperature .....  $0 \sim +40^\circ \text{C}$
- ▶ Storage environment Temperature .....  $-20 \sim +60^\circ \text{C}$
- ▶ Storage environment Humidity .....  $< 90\% \text{RH}$

Note: 1) The output state of the detector is adjusted by using  $^{137}\text{Cs}$  radioactive source test.

## 3. Outline Dimensional Drawing



### Wiring Instructions

Interface type	7-pin interface	BNC interface
Interface definition	+12V input	Signal output

Note: The potentiometer adjustment interface is used to adjust the internal high voltage, adjust the high voltage clockwise to increase, and adjust the high voltage counterclockwise to decrease.