NVSR-2000夜视光谱辐亮度计
NVSR-2000 night vision spectral radiometer

- NVSR-2000专门针对可见-近红外波段的夜视产品进行光谱、颜色、亮度、辐亮度、夜视辐亮度等参数测量的分光型辐射亮度计，测试精度高，软件分析功能强大，符合美国MIL-STD-3009、国军标GJB1394等多项国内外标准的要求。

NVSR-2000 is a spectroradiometer that is specially used to measure the spectrum, color, brightness, radiance, night vision radiance and other parameters of night vision products in the visible and near-infrared bands. It has high test accuracy and powerful software analysis functions, and meets the requirements of multiple domestic and foreign standards such as MIL-STD-3009 and GJB1394.

特点与优势 Characteristics and advantage

- 1）测量可见及红外波段的光亮度、辐射亮度、夜视加权辐亮度NVIS值、相对光谱功率分布P(λ)；色品坐标(x，y)、(u′，v′)；相关色温：Tc；显色指数：Ra; Ri(i=1～14) (特殊可计算R15)；色容差；峰值波长、半宽度、色纯度、主波长；红色比等参数。
  1) Measure the brightness, radiant brightness, night vision weighted radiance NVIS value and relative spectral power distribution P in visible and infrared bands（ λ)； Chromaticity coordinates (x, y), (u ′, v′); Relevant color temperature: Tc; Color rendering index: Ra; Ri (i=1 ～ 14) (R15 can be calculated specially); Color tolerance; Peak wavelength, half width, color purity, main wavelength; Red ratio and other parameters.
- 2）波长范围可涵盖380-950nm。
  2) The wavelength range can cover 380-950nm.
- 3）按GJB1394-92与夜视成像系统兼容的飞机内部照明标准要求加权计算夜视辐亮度值。
  3) The night vision radiance value shall be weighted according to the requirements of GJB1394-92 aircraft interior lighting standard compatible with night vision imaging system.

技术参数 Specifications

- 1）波长范围：不小于380-950nm
  1) Wavelength range: no less than 380-950nm
- 2）显示波长带宽：1.0nm，波长精度：±0.3nm
  2) Display wavelength bandwidth: 1.0nm, wavelength accuracy: ± 0.3nm
- 3）观察视场：8°
  3) Observation field of view: 8 °
- 4）测量距离：300mm至无穷远(标准镜头)
  4) Measuring distance: 300mm to infinity (standard lens)
- 5) 光谱辐射度灵敏度：NVIS加权辐亮度优于1.7*E-11W/(cm2 *sr* nm)
  5) Spectral radiance sensitivity: NVIS weighted radiance is better than 1.7 * E-11W/(cm2 * sr * nm)
- 6）零点漂移：< 0.1%
  6) Zero drift:<0.1%