

UV-C20 Ultraviolet Imager

UV-C20 ultraviolet imager adopts self-developed 320*256 solar blind UV focal plane module, can imaging for 240-280nm wavelength UV target, can support all weather operations, completely unaffected by the sun light. Specially designed to for detecting electric corona and arc, suitable for high voltage power transmission line maintenance job.



Specifications

- ✧ Respond length: 240~280nm
- ✧ Max sensitivity: 3×10^{-18} watt/cm²
- ✧ Total weight< 1Kg, small size
- ✧ Video Output: VGA/HDMI
- ✧ Customizable; easy to secondary development

Application field

- ✧ Transformer substation and transmission line
- ✧ High voltage switch pull-arc detection
- ✧ Electric railways
- ✧ Aircraft missile warning
- ✧ Research institution

Parameters

Function Options		Parameter description
Detector	Pixel scale	320×256
	Pixel size	30um×30um
	Cut-off wavelength	280nm
	Peak Current Responsivity	0.07A/W
	Responsivity non-uniformity	20%
	Operable pixel factor	96%
	Detectivity	2×10^{11} cmHz ^{1/2} W ⁻¹
Image performance	Field of view	6.50° standard lens
	wavelength	240nm-280nm
	UV sensitivity	3×10^{-18} watt/cm ²
Image display	Imaging mode	UV (visible, fusion mode, customizable)
	Display	External VGA
Power supply	Battery type	Build-in Li-ion battery
	Battery supporting time	8 Hours
	AC voltage	AC/DC 7.6-12V
	Rated consumption	2W