



Rugged UV All-in-One Module **Rug4in1** [Detailed information](#)



智轻光电
ZHIQING PHOTOELECTRIC

Phone number: +86 198 6182 0181

Whatsapp: +86 198 6182 0181

Address: 2000 ShunHua Street, Jinan's Free Trade Zone,
ShunTai Plaza building 7, 6th Floor #3rd room Southern Area
People Republic of China, ShanDong Province, Jinan City.

RUG4in1

Rugged UV All-in-One Module



Introduction

The RUG4in1 is a rugged equipment that is integrated by a high sensitivity solar blind corona camera, a IR camera, a wide EO camera and temperature and humidity sensors.

The RUG4in1's case is created using 2 solid metal pieces join together, guaranteeing a high protection level to dust, water and other particles, being able to work under a variety of harsh environments. Its interior its equipped with protecting lining and more reinforcement technology, allowing it to work under vibrating and non-stable environments, in addition it uses aviation degree plugs in order to connect to the exterior.

Application environment

1. Substation inspection.
2. Fixed-point monitoring.
3. Catenary vehicle inspection.
4. Between other static applications.

Practical cases



Software interface



PC platform

1. Record images and videos.
2. Automatic/Manual UV gain value adjust
3. Can display and change between EO+UV and/or IR+UV
4. Custom commands

Parameters

RUG4in1			
UV wavelength	240-280nm	UV sensitivity	$3 \times 10^{-18} \text{W/cm}^2$
UV resolution	720x480	UV Angle of view	$19^\circ \times 14^\circ$
VL wavelength	480-780nm	VL Angle of view	$22^\circ \times 14^\circ$
IR wavelength	7-12um	IR Angle of view	$17.5^\circ \times 14^\circ$
Inspection distance	50m-100m	Display frame rate	25Hz
Data connector	RJ45	Temperature and humidity sensors	Supported
Weight	1.6kg	Power source	12V DC
Working temperature	$-20^\circ\text{C} \sim 50^\circ\text{C}$	IP Rating (Protection Level)	IP67

Contact: Francisco D. Hurtado

Email: francisco@zqphotoelectric.com

Whatsapp: +8619861820181

Phone: +8619861820181