

BC-20 OS (Onsite) Online Corona Detection Camera

BC-20 OS (Onsite) is a dual-spectrum integrated imaging system of UV and visible light, which can detect weak corona and partial discharge UV radiation. It can conduct real-time monitoring, quantitative indication, and intelligent analysis of HV electric facilities. Through the front-end, on-site inspection units with a control centre, a smart online power facilities analysis system to effectively improve the operation safety, automation & intelligence level of the substation. It is an innovative technical means for the discharge monitoring of power equipment to reduce operational breakdown.

BC-20 OS is a case-mounted inspection solution for HV power lines. Thanks to the unique capabilities of the BST UV Corona technology. The UV-HD camera base, combined with the high-quality UV-HD sensor camera, is mounted on a durable, stabilized, full-featured, high-speed pan & tilt shield robust case.



1. FEATURES

Advantages & Characteristics

High sensitivity UV detector	Daytime usable, unaffected by sunlight	Onsite design of communication and control	Accurate image fusion algorithm
Central control, remote signal transmission	Accurate positioning	High resolution visible camera	Powerful background analysis and diagnosis
360° rotating high-precision pan-tilt	Industrialized design, durable, stable	Multi-screen for real-time monitoring	Integrated design for monitoring
Set the preposition of patrol inspection	Early warning	Lightning protection, interference prevention	Grounding measures
Unattended humanized control panel	Accept customization	No attenuation detector	Multi-parameter control and setting Accurate
	UV photon counting	Digital image filtering and noise reduction	



2. TECHNICAL SPECIFICATIONS

FEATURES OF UV CAMERA

Field Of Vision (W x S)	Switchable, 12.6° x 7.2° & 5° x 3.75°
Spectral Range	240nm ~ 280nm
Minimum Discharge Sensitivity	1Pc/10m
Minimum RIV Sensitivity	3.6dB μ V (RIV) @ 10m
Minimum UV Sensitivity	2.0 x 10 ⁻¹⁸ watt/cm ²
Pixel	1280 x 720
Focus Range	1.5m ~ ∞
Focus	Auto

VARIABLE SPEED PAN-TILT FEATURES

Horizontal Range of Motion	0° ~ 360° continuous rotation
Horizontal Speed	0.01° ~ 60°/S
Vertical Range of Motion	-75° ~ +40°
Vertical Speed	0.01° ~ 30°/S
Preset	Support 256 Presettings
OSD	Chinese and English Menu, Real-Time Display
Relay Output	4 Ways
Angle Backhaul & Control	Real-Time Backhaul and Control
Lens Control	Available, Configure Lens Preset Interface

FEATURES OF VIS CAMERA

Imaging Device	1/4 inch SuperHAD CCD
Parameter of Lens	Optical Zoom
Minimum Illumination	Chromatic colour 2Lux, 0.004Lux, Black & White 0.2Lux
Horizontal Resolution	Chromatic colour 600TVL, Black & White 700TVL
Electronic Shutter	1/100-1/10000s
Signal-noise Ratio	52dB
Dynamic Detection	Available
Resolution	1920(H) x 1080(V)
Optical Zoom	x18
Digital Zoom	x10
Control Interface	Ethernet

4. ACCESSORIES



Battery x 2 pcs



PTZ with Shell



SDK



Carrying Case