

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

Accurate image fusion algorithm

Accurate positioning

High resolution visible camera

360° rotating high-precision pan-tilt

Industrialized design, durable, stable

Multi-screen for real-time monitoring

Set the preposition of patrol inspection

Unattended humanized control panel

Multi-parameter control and setting Accurate

UV photon counting

Daytime usable, unaffected by sunlight

Onsite design of communication and control

Central control, remote signal transmission

Powerful background analysis and diagnosis

Integrated design for monitoring

Early warning

Lightning protection, interference prevention

Grounding measures

Accept customization

No attenuation detector

Digital image filtering and noise reduction



Corona Camera Basic Unit
(Mounted into the rugged housing)



Protective Shield
(Robust against harsh Environments)

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	3.6dBμV (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

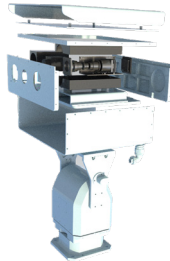
Imaging Device	1/4 inch SuperHAD CCD
Parameter of Lens	Optical Zoom
Minimum Illumination	Chromatic colour 2Lux, 0.004Lux Black & White 0.2Lux
Horizontal Resolution	Chromatic colour 600TVL, Black & White 700TVL
Electronic Shutter	1/100-1/10000s
Signal-noise Ratio	52dB
Dynamic Detection	Available
Resolution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

3. ACCESSORIES

- Basic Unit
- PTZ with Shell
- SDK
- Carrying Case



Battery x 2 pcs



PTZ with Shell



SDK



Carrying Case

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