

SCHEDULE A: PARTIAL DISCHARGE CAMERA

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TITLE	SPECIFICATION	YES	NO
DISPLAY TYPE	LCD, 640 x 480 pixels, colour, manual or auto brightness up to 450cd/m ² ,		
Display Modes:	UV and Visible, UV and LWIR, Visible only, LWIR only, UV only, UV Priority		
UV Overlay Accuracy	<1 milirad deviation		
On Screen Display	Gain, zoom, count, active functions		
Resolution:	1920 x 1080 pixels		
Sensitivity Day Mode:	0.1 lx (F1.6, 50 % IRE, ICR off)		
Sensitivity Night Mode:	0.05 lx (F1.6, 50 % IRE, ICR on)		
Exposure / Image Enhancements:	Auto or Manual		
Focus Type:	Automatic with manual override		
Focus Range:	<1.5m to Infinity		
Useful Zoom Range (optical):	16° (0.5x) to 2° (2x)		
Camera Module Zoom Range:	30x Optical zoom, 58.9° to 2,11°		
Detector Type:	VOx Microbolometer		
Spectral Band:	7.5 - 13.5 µm		
Temperature Range:	-40°C to 160°C		
Sensitivity:	Infrared (NEdT): <62.5mK @ f1.25		
Focus Range:	2.3m to Infinity		
Resolution:	640 x 512		
Field of View:	10.4° × 8.3°		
Zoom:	8x digital		
IFOV:	0.283 mRAD		
Readout:	<9 or 25Hz		
IR Palettes	15x palettes / Isotherms		
Level & Span	Auto or Manual		
Typical Sensitivity:	SB (240 - 280 nm) 2.05x10 ⁻¹⁸ Watt/cm ² ; IEC 60270:2000: 3pC @ 20m (Korea Electrotechnology Research Institute) & 1.8pC @ 10m (Innogy) NEMA107-1987: 13.16dBµV(RIV) @ 1MHZ @ 10m (Korea Electrotechnology Research Institute)		
	NSB (240-300 nm) ~ 1 x 10 ⁻¹⁸ Watt/cm ² , 0.8pC @ 15 m Tested & certified by Innogy SE-Euro test Germany: IEC 60270:2000		
Field of view:	8° Horizontal x 6° Vertical ~ 10° Diagonal Zoom Range (optical): 1x Zoom Range (digital): 8° to 2°, in 3 steps		
Focus type:	Linked to Visible with manual override		
Focus Range:	<0.7m to Infinity		
Detector Life Span:	No degradation		
Corona Measure Method:	Intensity based count, Calibrated for irradiance value of selected area		
Threshold Mask:	Useful range 20-100%		

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UV Transparency:	0-100%		
UV False Color Selection:	6 pre-set colors, 100 user selectable hues		
UV Integration:	Adjustable period, Summation or Noise Reduction		
Battery:	Sony Li-ion, Type L compatible		
Battery Location:	Internal, quickly replaceable		
Operating Time:	3hrs maximum		
Continuous Operation:	No overheating		
Charging:	In camera or in external charger		
External Power Supply:	9-16V 12VA - Car or mains adapter Mains Adaptor: 110-240 V ac 50 - 60 Hz / 12 V dc 3A Protection: Reverse polarity, over current, under voltage		
Window aperture:	Ø = 62 mm		
Operating Temp:	-15 °C to 55 °C		
Storage Temp:	-20 °C to 60 °C		
Humidity:	Up to 90 %, non condensating		
Mounting Point	Standard 1/4" X20 thread tripod mount		
OS Features:	Icon based menu system 10x User Profiles		
	Boot to inspection capable in 6s, to record capable in 60s.		
	Image Sort Numbering		
	Video list and playback		
Input:	Keypad (right hand), Onboard & External Microphone		
Output:	Composite Video		
	Onboard speaker		
Bi-Directional:	Micro USB, RS-232		
Firmware:	Internal GPS, with external hot plug booster antenna		
	LED Flashlight (Adjustable brightness, 10-100% usable range)		
Software Update:	Micro SD card		