

APC

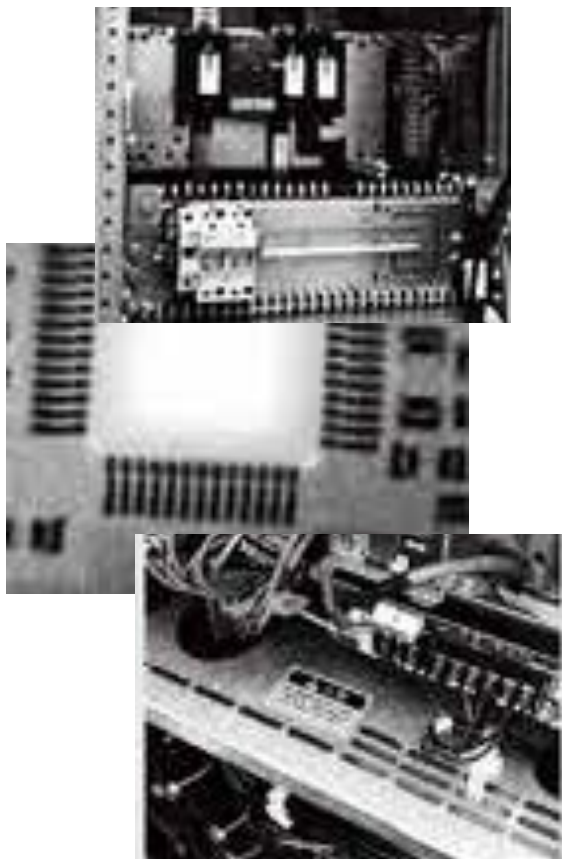
All Purpose Core



The SATIR All Purpose Core (APC) is newest core to replace the UPC model. This core is ideal for monitoring process control in areas such as Substations, Power Plants and Switchgear. It can also be used to monitor conveyor belts to check bearings as when these are broken they can cause friction which generates heat, that can be detected by the 256x192 IR detector.

Key Features

- Easy System Integration
- Compact Size
- Visual & Thermal Imaging
- Intelligent Detection Functions such as motion
- Temperature Alarm
- ONVIF/SDK/CGI Compatibility



APC Core Specifications

Thermal Camera	
Detector Type	UFPA
Detector Resolution	256x192
Thermal Sensitivity (N.E.T.D)	≤0.06°C@30°C
Spectral range	8~14μm
Image Setting	Polarity LUT/ DVE/ Mirror/ FCC/ /3D DNR Brightness/Contrast/ROI
Colour Palettes	Black-Heat /White-Heat/Rainbow/Iron-Red up to 17 modes
Focus Type	Fixed
Field of View (FOV)	96°x75°
Visual/Digital Presentation	
Image Sensor	1/2.8" Sony CMOS
Resolution	1920X1080
Shutter Speed	1/5~1/20,000S
Min Illumination	Colour: 0.1 Lux @ (F1.2,AGC,ON), B/W:0.01Lux
S/N Ratio	More than 55dB
W-LED	1pcs
Focus Type	Fixed
FOV	136.2°x77.3°
Detection	
Intelligent Detection Functions	Motion, Disk alarm ,I/O alarm, temperature alarm,
IVS	Perimeter, Single virtual fence, Double virtual fences, Object left, Object removed
Temperature Mode	3 Modes (Spot, Line,, Area)
Temperature Alarm	Over Temperature Alarm, Temperature Difference Alarm
Temperature Range	-40°C ~ + 150°C
Temperature Accuracy	±2°C or ± 2% of readings
Response Time	≤30ms
Interfaces	
Audio Interface	1ch Alarm input/output
Rj45 Ethernet	Yes
Protocols	IPv4/IPv6,HTTP,RTSP/RTP/RTCP,TCP UDP,DHCP,DNS,PPPOE,SMTP,SIP,802.1x
Interoperability	ONVIF,CGI.SDK
Streaming Method	Unicast
Power input	DC12V±10%
Power Consumption	Max 10W
Max. User Access	10 Users
Edge Storage	Local PC for instant recording , Micro SD Card 128GB
Web Viewer	≤IE11, Chrome, Firefox
Web Language	English, French, Italian, Polish, Spanish, Russian, Chinese, Portuguese, Czech, Hungarian
RS232,USB port, BNC Output, Reset Function	Yes

Please be aware specifications can vary from time to time

APC Core Specifications

Environmental	
Encapsulation	IP66
Shock/Vibration Resistance	25G/2G
Operating Temperature	-20°C ~ +60°C
Storage Temperature	0~90% RH
Physical Characteristics	
Weight	450g
Dimensions	63x43x92mm



APC Core Connections

Please be aware specifications can vary from time to time