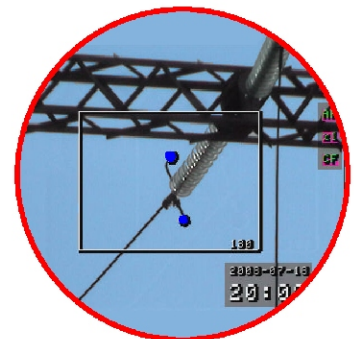
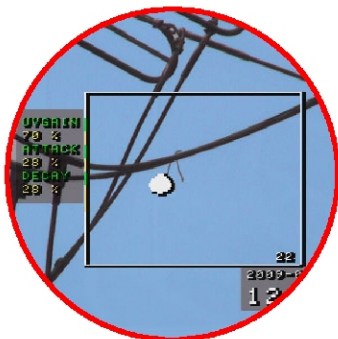


## CoroCAM 504

Daylight UVc & Visible Channel Camera  
 Onboard Still Imaging Recording Onto CF™ Card  
 UV Photon Countings  
 Light Weight Ergonomic Design  
 Easy Setup and Operation  
 High Quality Colour Viewfinder Display  
 Low Noise Highly Sensitive Detector  
 Wide Field Of View with 25x Optical Zoom



- The CoroCAM 504 can operate in daylight or at night (with artificial light).
- The solar blind filter, used for daytime operation, is motorised for easy removal to boost sensitivity during nighttime or indoor use.
- Both the Visible and UVc channels can be zoomed up to 2x without parallax error and Automatic or Manual focus.
- The UV image can be shown individually or overlaid onto the visible channel.
- A simple user interface allows for easy access to the menu system.
- User selectable settings for image processing and corona enhancement.
- Onboard image processing allows for increased sensitivity and noise reduction without lowered frame rates associated with long exposure photography.
- High quality video can be streamed to an external recorder via composite or S-Video output.
- GPS, Laser Pointers and External Remote Control can be added.
- Camera software can be upgraded via Compact Flash™ card.
- External recording peripherals can be interfaced via industry standard outputs.



### Applications:

- |  |  |
|--|--|
| <ul style="list-style-type: none"> <li>• Transmission Line Inspection</li> <li>• Substation Inspection</li> <li>• Handheld Airborne Inspection</li> <li>• Generator and Motor Winding Inspections</li> </ul> | <ul style="list-style-type: none"> <li>• Distribution Line Inspection</li> <li>• HV Electrical Component Inspection by OEM Manufacturers</li> <li>• High Voltage Panel Inspection</li> </ul> |
|--|--|

## SYSTEM SPECIFICATIONS

Specifications subject to change without notice.

### Combined Output

Optical System	Video	Composite
Format		PAL/NTSC Available
Optical Channels		Visible and Ultra Violet channels
		Separate or overlaid
Focus Type		Automatic , manual override
Focus Range		2m to Infinity
Window aperture		Ø= 62 mm

### Ultraviolet Channel

Image type	Monochrome video
Sensitivity (Solar Blind Mode)	3x10 <sup>-18</sup> Watt/cm <sup>2</sup> Typical
Sensitivity (NightView Mode)	1x10 <sup>-18</sup> Watt/cm <sup>2</sup> Typical
Spectrum (Solar Blind Mode)	UV 240 – 280 nm
	UV 240 – 300 nm
Field of View	8° Horizontal x 6° Vertical
Zoom Factor	0.5x, 1x, 2x
Update Rate	50 Hz max
Focus type	Auto slaved to visible, manual

### Visible Channel

Type	Colour Video, full function
Sensitivity @ 60fps	2 Lux min
Field of View	Default synchronised with UV channel
Zoom Factor	25 x optical max

### Operator Interfaces

Application	Handheld or remote controlled
Display	SVGA colour micro display viewfinder
Status Indicator	LED's
Alarms	Audio, LED & Aux contacts
Control Inputs	Onboard multi pushbutton Remote control unit PC software controlled (option)
Audio	Headphone output Microphone input

### Power System

Power Consumption	14 Watt
Battery Type	Rechargeable Li-Ion Sony Type L compatible
Battery Run Time	Typical 1.5 hrs min operation
Battery Location	Onboard, quickly replaceable
Charging	On camera / optional charger
External Supply	9-16V 17VA - Car or mains adapter
Mains Adaptor	110-240VAC 50-60 Hz / 12VDC 3A
Power Modes	Operate, charge
Protection	Reverse polarity, over current, Under voltage

### Data Storage

Storage Media	Removable Compact Flash™ Card
Image Format	JPEG compressed still image
Video Storage	On External Recorder
Audio	Audio label, wave file
Storage Capacity	1000+ images per GB
File download	Via USB External via card reader

### Comms Interfaces

USB	Image download from Cf™ Card
RS485	Camera control via PC
Auxiliary	Remote control interface RS232 general port 1 Alarm output - optional 1 Trigger input - optional

### Processing

Image Processing	Powerful onboard digital signal Processor for: Visible / UV image & data overlaying UV image enhancements UV image integration Image compression and storage
Date/Time	Real-time clock with battery backup
Temperature	Internal camera temperature
Location	GPS (optional)
Audio Modes	Microphone input for audio notes
Power Saving	Real-time, integrate, standby, off
User Settings / Configuration	Customised operating modes and control functions User defined titles, notes and file names for storage User configured alarm output (optional)
Software Upgrading	Via Compact Flash™ Card

### Mechanical

Weight	2.3 kg including battery, excl. accessories
Size	302mm L x 125mm W x 165mm H
Mounting Points	M4 hard point, 1/4" Thread tripod mount

### Environmental

Operating Temp	-15°C to 50°C
Storage Temp	-25°C to 60°C
Humidity	Up to 90%, non condensating
IP rating	IP 54

### Standard System

- CoroCAM 504 DAYLIGHT UV IMAGER
- AC MAINS ADAPTOR
- 2 x Li-ION BATTERY
- PROTECTIVE CARRY CASE
- CF™ Storage CARD
- OPERATING MANUAL
- CABLE SET (Video and Power)
- Coro-Link™ SOFTWARE

### Optional Accessories

- REMOTE CONTROL
- GPS & LASER POINTER
- EXTERNAL VIDEO RECORDERS