



FireVu Multi-Detector

The FireVu Multi-Detector is an early warning visual detection device for smoke, heat and flame seen within its field of view. FireVu holds patents for its flame detection algorithm in the UK (GB2535409), Europe (EP3080788) and US (US9530074B2).

The product enables operators of heavy industrial processes and combustible environments to view the potential source and take action to avoid loss of material and equipment.

The Multi-Detector combines a thermopile array with the visual smoke and flame detection for additional flame verification and the ability to detect rising temperatures in machinery or plant outside normal operational expected levels.



Features & Benefits

- Colour and intensity based flame detection analytic results in high detection rate and minimised false triggers.
- Secure video alarm transmission enables visual verification of incidents and enhanced situational awareness.
- Video verification of alarms achieved through Dedicated Micros Enterprise Observer video.
- Events are logged and associated footage indexed for fast retrieval.
- Capable of operating two separate sets of detection parameters for different periods to accommodate changes in operational process.
- Full forensic analysis of recorded footage can be performed remotely over secure internet link to analyse source.
- Dynamic masking capabilities allow specific conditions to be excluded whilst remaining monitored at all other times.
- Detection both indoor and outdoor, within the field of view of the detector.
- Internal recording allows event review and analysis
- Built in Thermopile module detecting heat anywhere within the detection footprint.
- Alarm handling via on-board relays.

Working distance

Based on the detection of a standard oil pan fire 1 foot square and a 20m wide field of view the working distance range is up to 35m.

Technical Specification

Camera Specification	
Image Sensor	1/4" CMOS progressive scan
Video Processor	SoC DSP (Chipwrights CW5631)
Shutter Time	1/100s to 1/1s
Lenses Available	6mm & 12mm
Video Specification	
Compression	JPEG & MPEG-4
Maximum Output Resolution	640 x 480 (480p, VGA)
Maximum Image Rate	25PPS PAL. 30PPS NTSC (single connection to camera)
Composite Video Output	Live display
Integrated Camera Recording	ICR to internal micro SD card
Image Control	AWB, Electronic Iris, Exposure Level
Thermopile Specification	
Field of View	43.8° (h) x 33.6° (v)
Resolution	82(h) x 62(v) pixels
Temperature Range	-30°C to +300°C
Network Configuration & VMS	
Network Support	DCCP, DHCP, HTTP, HTTPS, Ipv4, SMTP, Bonjour, ICMP, DNS, NTP, TCP, UPP, UDP, ICMP, ARP, RTP, Telnet, FTP, AoE, SNMP, Zeroconf
Web Page Configuration	Simple GUI interface
NetVu Observer	Video Management Software allows seamless viewing and control of live and recorded images from any NetVu Connected product
General Specifications	
Connections	RJ45 10/100 BaseT PoE Punch Down Connection
Enclosure	Die Cast Al-alloy
Mounting	Wall mount
Weight (Camera Body)	0.4Kg (14oz)
Weight (Full Assembly)	3Kg (106oz)
Power	12Vdc-24Vac/PoE, 4.5 Watts
Environmental	
Illumination	20lux or IR flood lights – required for smoke detection
Operating Temperature	-10°C to +50°C (14°F to 122°F)
Operating Humidity	20% to 80% relative humidity, non condensing
Storage Temperature	-10°C to +70°C (14°F to 158°F)
Storage Humidity	20% to 90% relative humidity, non condensing
Warranty	
	1 year

Ordering Information

Part Number	Description
FVMD/500/6M0	FireVu Multi Detector 6.0mm Lens High Resolution Thermopile 35m distance

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