



FireVu 500 Video Smoke and Fire Detector

The FireVu 500 Detector is an early warning visual detection device for smoke and flame seen within its field of view.

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.



Features & Benefits

- Brightness and intensity based flame detection analytic (Patent pending) results in high detection rate and minimised false triggers.
- Dual layer smoke detection analytic detects accumulating ambient smoke.
- Secure video alarm transmission enables visual verification of incidents and enhanced situational awareness.
- Dedicated Micros NetVu Observer video management software included.
- 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.

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 can range from 20m, 35m to 70m.

Ordering Information

Part Number	Description
FVU/500/3M5	FireVu 500 Detector 3.5mm Lens 55° FoV with housing, 20m working dist.
FVU/500/6M0	FireVu 500 Detector 6.0mm Lens 35° FoV with housing, 35m working distance
FVU/500/12M	FireVu 500 Detector 12mm Lens 17.5° FoV with housing, 70m working dist.

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	3.5mm, 6mm & 12mm
Video Specification	
Compression	JPEG, H.264 & 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 for 10 minutes
Integrated Camera Recording	ICR to internal micro SD card
Image Control	AWB, Electronic Iris, Exposure Level, Flip/Mirror Video, Sharpness Control
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	
Camera Body	Zintec case, Cast Zinc lens mount V0 ABS trim
Connections	RJ45 10/100 BaseT PoE Connector
Enclosure	Die Cast Al-alloy, 406mm (L) x 109mm (H) x 145mm (W)
Mounting	Wall mount
Measurements	123mm (L) x 60mm (H) x 60mm (W)
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

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