



**VT-1000ZPPST25D220-R**

**ATEX Certificated Stainless Steel Explosion Proof Housing**

## Features

- ATEX Zone 1&2 / 21&22
- smart windshield wiper optional
- Made of 304 stainless steel material (316,316L for optional)
- Class I Division 1&2 / Class II Division 1&2 and all the rest except zone 0
- Well design for Explosion-proof, anti-corrosion, waterproof, suitable for indoor and outdoor environment
- The module circuit design, support baud rate/ control protocol automatic recognition, support software address code setting
- Imported precision motor, Response sensitivity, stable operation, low accuracy, no jitter under any speed



### VT-1000ZPPST25D220-R ATEX Certificated Stainless Steel Explosion Proof Housing



Thermal & day camera PTZ  
 built-in thermal & day camera dual-sensor  
 smart windshield wiper  
 automatic aperture. automatic focusing, easy to monitor remote targets.  
 The module circuit design, support baud rate/ control protocol automatic recognition,  
 support software address code setting.  
 Imported precision motor, Response sensitivity, stable operation, low accuracy, no jitter  
 under any speed  
 Windows glass surface process by nanotechnology. Well light transmittance. no halation  
 effect. non-stick oil/dusty  
 Low power consumption, the fuselage internal air convection heat dissipation design, can  
 work continuously for a long time  
 Made of 304 stainless steel material. apply to strong corrosive environment  
 Well design for Explosion-proof, anti-corrosion, waterproof, suitable for indoor and outdoor  
 environment

Products	Ex-Level	ATEX II 2G Ex d IIC T6 Gb II 2D Ex tb IIIC IP68 T80°C Db
	Ingress Protection level	IP66
Thermal Imager	Sensor	uncooled FPA Vox detector
	Effective Pixels	400(H) ×300(V), 640(H)×512(V) for optional
	Wave length	8~14μm
	NETD	≤40mK@F1.0,300K
Thermal Lens	Image processing	AGC, DDE
	Lens Type	Fixed type: 8/25/50/75 for optional
Temperature Detection	Angle of View	320: H: 46°, V:35.3°; H:25.5°, V:19.2°; H:15.4°, V:11.6°; H: 11°, V:9°; H: 7.7°, V:5.8°
	Detection Mode	Spot, Line, Area
Temperature Detection	Temperature Alarm	Over temperature alarm, Temperature difference alarm
	Accuracy	±2°C / ±2%

	Response Time	≤30ms
	Theory of temperature measurement range	-30 °C ~ 200 °C(can OEM up to 600°C)
	Temperature display mode	Temperature target >5°C, Display absolute temperature value; Temperature target ≤5°C, Display relative temperature value (temperature difference DEV = highest value - average)
Visible Camera	imaging sensor	1/2.8" Progressive Scan CMOS
	minimal illumination	Color : 0.05Lux @ (F1.6, AGC ON)
		BW : 0.01Lux @ (F1.6, AGC ON)
	Day/Night	ICR auto switch
	SNR	>52dB
	electronic shutter	1/1S ~ 1/30,000S
	resolution ratio	50HZ:25fps(1920x1080) 60HZ:30fps(1920x1080)
		50HZ:25fps(1280x720) 60HZ:30fps(1280x720)
White balance	1/ 2Automatic / manual / indoor / outdoor lamp / fluorescent lamp	
3DDNR	Support	
Lens	focal distance	4.7-94mm, 20X optical
	Aperture	F1.6 – F5.0
	horizontal view angle	65.5-2.11 degree (Wide-Tele)
	Min-working distance	10-1500mm (Wide-Tele)
	Zoom speed	Approx.3s (Optical Wide-Tele)
Menu control	exposure mode	Auto exposure / aperture priority / shutter priority / manual exposure
	Focusing mode	Auto /manual /one time focusing
Compression standard	Video compression standard	H.264 /H.265/MJPEG
	Output compression rate	32 Kbps~16Mbps
	Audio compression standard	G.711-a law、G.711-u law、G.726
Image	Image set	Saturation, brightness, contrast
Net	Intelligent alarm	motion detecting, fault block alarm the memory full, memory fault
	Support protocols	TCP/IP、HTTP、DHCP、DNS、DDNS、RTP、RTSP、PPPoE、SMTP、NTP、UPnP、SNMP、FTP、802.1x、QoS、HTTPS、IPv6 (SIP、SRTP、
		Optional
PTZ function	Rotation range	Horizontal : 0~360°Vertical: : ±90°
	Rotation speed	Horizontal : 0.1°/S~40°/s Vertical: : 0.1°/S~40°/s
	monitoring location	300 locations can be set
	Communication method	RS485
	Boad rate	2400 / 4800 / 9600 bps
	Communication protocol	PELCO—D、PELCO—P etc.

	monitoring location setting accuracy	±0.1°
Other specification	Temperature range	-40°C~60°C
	Relative humidity	≤ 95% (+25°C)
	Atmospheric pressure	80kpa~106 kpa
	Material	304 stainless steel (316, 316L for optional)
	Supply voltage	AC85V-260V (DC 24V for optional)
	Inlet hole specifications	G-3/4"x 1
	Electrical connection	10-core composite cable
	Thermostat System	Optional
	Installation method	bracket or base installation