VIVOTEK
A Delta Group Company

VORTEX Series

FD639

2MP Outdoor Dome Network Camera



Technical Specifications

Camera Specifications	
Image Sensor	1/3.1" Progressive CMOS
Max. Resolution	SD:1280x720 HD: 1920x1080
Lens Type	Fixed-focal
Focal Length	f = 2.8 mm
Aperture	F2.0
Iris Type	Fixed Iris
Field of View	116.0° (Horizontal) 65.0° (Vertical) 140.0° (Diagonal)
Shutter Time	1/5 sec. to 1/32,000 sec.
WDR Technology	WDR Enhanced
Day/Night	Yes
Removable IR-cut filter	Yes
Illuminators	Built-in IR illuminators, effective up to 30 meters with Smart IR, IR LED*1
Minimum Illumination	0.08 lux @ F2.0 (Color) <0.005 lux @ F2.0 (B/W) 0 lux with IR illumination on
Pan Range	350°
Tilt Range	-10° ~ 75°
Storage	MicroSD/SDHC/SDXC card slot (Built-in 128GB industrial SDCard)

Video	
Video stream settings	HD Video 1920 x 1080@15fps 600Kbps upload SD Video 1280 x 720@15fps 200Kbps upload

Audio	
Audio Capability	One-way Audio
Interface	Built-in microphone
Effective Range	5 meters

Network	
Users	Up to 4 clients *Live viewing for 4 clients *live viewing up to 2 clients and playback 2 clients
Security	Signed firmware, HTTPS/TLS encryption, Video encryption
Protocols	ARP, DHCP, DNS, HTTP, HTTPS, ICMP, IPv4, NTP, RTSP/RTP/RTCP, SSL, TCP/IP, TLS 1.2, UDP, WebRTC
Interface	10BASE-T/100BASE-TX Ethernet (RJ-45) *It is highly recommended to use standard CAT5e & CAT6 cables which are compliant with the 3P/ETL standard.

General	
Connectors	RJ-45 cable connector for 10/100 Mbps Network/PoE connection
LED Indicator	System power and status indicator
Power Input	IEEE 802.3af Class 0 PoE, DC 12V (Simultaneous Power Redundancy Supported)
Power Consumption	PoE: Max. 6.49W/4W (IR on/off) DC 12V: Max. 5.1W/3.4W (IR on/off)
Dimensions	110 (D) x 85 (H) mm
Weight	465 g
Certifications	EMC CE (EN 55032 Class B, EN 55035), FCC (FCC Part 15 Subpart B Class B), ICES-003 Issue 7, RCM (AS/NZS CISPR 32 Class B), VCCI (VCCI-CISPR 32 Class B) Safety UL (UL 62368-1), CB (IEC/EN 62368-1, IEC/EN 62471, IEC/EN 60950-22) Environment IK10 (IEC 62262), IP66 (IEC 60529)
Operating Temperature	Starting Temperature: -30°C ~ 50°C (-22°F ~ 122°F) Working Temperature: -30°C ~ 55°C (-22°F ~ 131°F) (IR off) -30°C ~ 50°C (-22°F ~ 122°F) (IR on)
Humidity	95% RH (non-condensing)
Warranty	Up to 120 months (Depends on license type)

Included Accessories	
Packing Contents	Quick installation guide, alignment sticker, screw pack, desiccant bag, cable gland

VORTEX AI Analytics	
Application	Intrusion detection Line crossing detection Loitering detection Unattended object detection Missing object detection
Audio detection	Yes
Camera tampering detection	Yes

AI Hub (xPro license required)	Deep search Scene search Think search Event insight

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