





# 2MP • 15M IR • Smart IR • Smart Stream II • IP66 • IK10 • NEMA 4X

VIVOTEK's FD8366-V is a compact 2-megapixel IR dome network camera equipped to provide 30 frames per second at H.264 compression. With IP66, IK10 and NEMA 4X-rated rugged design, the camera will withstand shocks, vibration, humidity, dust, and even extreme temperature fluctuations to maintain stable and reliable video no matter how harsh the environment.

Armed with built-in IR illumination, the FD8366-V delivers superior image quality for up to 15 meters in total darkness. This all-in-one camera meets a diverse array of needs for outdoor surveillance applications, from retail stores to health care facilities.

Employing VIVOTEK's Smart Stream II technology, the FD8366-V can reduce both bandwidth and storage consumption by up to 50%\* while maintaining high standards of image quality. Power over Ethernet (PoE) functionality means the camera can be operated and powered via a single Ethernet cable, allowing greater ease, and lower cost, of installation. Further, in order to facilitate on-board storage, data portability, and localized backup, the camera is equipped with a MicroSD/SDHC/SDXC card slot for local recording.

\* Depending on scenes

### **Key Features**

- · 30 fps @ 1920x1080
- · Built-in IR Illuminators up to 15 meters
- · Smart IR Technology to Avoid Overexposure
- · Smart Stream II to Optimize Bandwidth Efficiency
- Weather-proof IP66-, Vandal-proof IK10- and NEMA 4X-rated Housing
- · Built-in 802.3af Compliant PoE
- $\cdot$  Build-in MicroSD/SDHC/SDXC Card Slot for On-board Storage



IR Off



# **Technical Specifications**

Model	FD8366-V(2.8mm): f = 2.8 mm FD8366-V(3.6mm): f = 3.6 mm	Adjustable image size, quality and bit rate; Time stamp, text overlay, flip & mirror; Configurable brightness, contrast, saturation, sharpness, white balance,	
System Information  CPU Multimedia SoC (System-on-Chip)		inage semigs	exposure control, gain, backlight compensation, privacy masks; Scheduled
	Multimedia SoC (System-on-Chip)	profile settings, 3DNR, video rotation, defog	
Flash	128MB	Audio	
RAM	256MB	Audio Capability	One-way Audio
Camera Features		Compression	G.711, G.726
Image Sensor	1/2.9" Progressive CMOS	Interface	Built-in microphone
Max. Resolution	1920x1080	Effective Range	5 meters
Lens Type	Fixed-focal	Network	
Focal Length	FD8366-V(2.8mm): f = 2.8 mm FD8366-V(3.6mm): f = 3.6 mm	Users	Live viewing for up to 10 clients
Aperture	FD8366-V(2.8mm): F1.8 FD8366-V(3.6mm): F2.1	Protocols	IPv4, IPv6, TCP/IP, HTTP, HTTPS, UPnP, RTSP/ RTP/RTCP, IGMP, SMTP, FTP, DHCP, NTP, DNS, DDNS, PPP0E, CoS, QoS, SNMP, 802.1X, UDP, ICMP, ARP, TLS, NTCIP, CIFS/SMB
Iris type	FD8244 W2 9mm/s	Interface	10 Base-T/100 Base-TX Ethernet (RJ-45) *It is highly recommended to use standard CAT5e & CAT6 cables which are compliant with the 3P/ETL standard.
Field of View	FD8366-V(2.8mm): 113° (Horizontal) 63° (Vertical) 136° (Diagonal) FD8366-V(3.6mm): 77° (Horizontal) 41° (Vertical) 82° (Diagonal)		
		ONVIF	Supported, specification available at www. onvif.org
		Intelligent Video	
Shutter Time	1/5 sec. to 1/32,000 sec.	Video Motion Detection	Five-window video motion detection
WDR Technology	WDR Enhanced	Alarm and Event	
Day/Night	Yes	Alarm Triggers input, periodical trigg recording notification	Motion detection, manual trigger, digital
Removable IR-cut filter	Yes  Built-in IR Illuminators up to 15 meters, IR		input, periodical trigger, system boot, recording notification, camera tampering detection, audio detection
IR Illuminators	LED*4		Event notification using HTTP, SMTP, FTP, NAS
Minimum Illumination	FD8366-V(2.8mm): 0.16 Lux @ F1.8 (Color) <0.01 Lux @ F1.8 (B/W) 0 Lux with IR illumination on FD8366-V(3.6mm): 0.18 Lux @ F2.1 (Color) <0.01 Lux @ F2.1 (B/W) 0 Lux with IR illumination on	Alarm Events	server and MicroSD Card File upload via HTTP, SMTP, FTP, NAS server and MicroSD Card
		General	
TUD		Connectors	RJ-45 cable connector for 10/100Mpbs Network/PoE connection Built-in microphone*1 Digital input*1
Tilt Range	0°~80°	LED Indicator	
Pan/Tilt/Zoom Functionalities	ePTZ: 48x digital zoom (4x on IE plug-in,12x built in)	Power Input	System power and status indicator  IEEE 802.3af PoE Class 0
On-board Storage	Slot type: MicroSD/SDHC/SDXC card slot Seamless Recording	Power Consumption	Max. 5.3 W
Video		Dimensions	Ø 110 x 57 mm
Compression	H.264, MJPEG	Weight	370 g
Maximum Frame Rate	30 fps @ 1920x1080 60 fps @ 1280x720	Casing	IP66, IK10, NEMA 4X
Maximum Streams	4 simultaneous streams	Safety Certifications	CE, LVD, FCC Class B, VCCI, C-Tick, NEMA 4X, UL
S/N Ratio	FD8366-V(2.8mm): 50dB FD8366-V(3.6mm): 56dB	Operating Temperature	Starting Temperature: -25°C ~ 55°C (-13°F ~ 131°F) Working Temperature:
Dynamic Range	70dB		-25°C ~ 55°C (-13°F ~ 131°F)
Video Streaming	Adjustable resolution, quality and bitrate; Smart Stream II	Humidity	90%

## **Technical Specifications**

Warranty	24 months	Dimensions
System Requiremen	ıts	
Operating System	Microsoft Windows 8/7	G110
Web Browser	Internet Explorer 10/11 Chrome version 58.0.3029 or above	Ø110 mm
Other Players	VLC: 1.1.11 or above Quicktime: 7 or above	57 mm
Included Accessorie	es	
Others	Quick installation guide, warranty card, alignment sticker, screwdriver, accessories bag	

# **Compatible Accessories**

#### Cable



AO-005 Power Cable with DI (60 cm)

