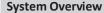


VD-2FR41-ZS 4MP WDR IR Bullet Network Camera

- · 1/3" 4Megapixel progressive CMOS
- · H.265 & H.264 dual-stream encoding
- · 20fps@4M(2688×1520)&25/30fps@3M(2304×1296)
- · WDR(120dB), Day/Night(ICR), 3DNR, AWB, AGC, BLC
- · Multiple network monitoring: Web viewer, CMS(DSS/PSS) & DMSS
- · Micro SD card slot, up to 128GB
- · 2.7~13.5mm varifocal lens
- · Max IR LEDs Length 60m
- · IP67, PoE



The IR Megapixel Vari-focal Bullet camera delivers 4MP resolution with a motorized 2.7 mm - 13.5 mm varifocal lens. The camera's elegant blend of aesthetics combined with a range of easy mounting solutions provides an excellent choice for a variety of small to mid-size applications at an affordable price.

Functions

True Day/Night

A day/night mechanical IR cut filter makes this camera ideal for applications with fluctuating lighting conditions, delivering color images during the day and automatically switching to monochrome as the scene darkens

Regions of interest

Regions of Interest (ROI) is a user defined feature that allows the operator to monitor specific areas of a scene while still maintaining overall situational awareness of less important areas

Smart IR

With IR illumination, detailed images can be captured in low light or total darkness. The camera's Smart IR technology adjusts to the intensity of camera's infrared LEDs to compensate for the distance of an object. Smart IR technology prevents IR LEDS from whiting out images as they come closer to the camera. The camera's integrated infrared illumination provides high performance in extreme low-light environments up to 60m (197ft).

Wide Dynamic Range

Embedded with industry leading wide dynamic range (WDR) technology, vivid pictures are achieved even in the most intense contrast lighting conditions. For applications with both bright and low lighting conditions that change quickly, True WDR (120dB) optimizes both the bright and dark areas of a scene at the same time to provide usable video.













Image flip

Capturing unnecessary data such as surrounding hallway walls can increase storage requirements without any added value. The image flip feature allows the camera's image to be rotated in 90° increments for better video optimization.

Protection

Supporting $\pm 10\%$ input voltage tolerance, this camera suits even the most unstable conditions for outdoor applications. Its 6KV lightning rating provides protectection against the camera and its structure from the effects of lightning.

Interoperability

The camera conforms to the ONVIF (Open Network Video Interface Forum) specifications, ensuring interoperability between network video products regardless of manufacturer

HEVC (H.265)

H.265 ITU-T VCEG is a new video coding standard. H.265 Following standard developed around the existing video coding standard H.264 , some retain the original technology , while some of the relevant technology to improve the new technology uses advanced technology to improve the relationship between the code stream , encoding quality , and the delay between algorithm complexity , optimize settings specific contents include: Improve compression efficiency , improve the robustness and error recovery capabilities, real-time to reduce the delay, reduce channel acquisition time and a random access delay , reduce complexity , etc





Technical Specification							White Balance	Auto/Natural/Street Lamp/Outdoor/Manual
Camera							Gain Control	Auto/Manual
Image Sensor		1/3" 4Megapixel progressive CMOS					Nois e Reduction	3D DNR
Effective Pixels		2688(H) x1520(V)					Motion Detetion	Off / On (4 Zone, Rectangle)
RAM/ROM		512MB/32MB					Region of Interest	Off / On (4 Zone)
Scanning System		Progressive					Electronic Image	N/A
Electronic Shutter Speed		Auto/Manual, 1/3(4)~1/100000s					Stabilization(EIS)	
Minimum Illumination		0.03Lux/F1.4(Color,1/3s,30IRE) 0.3Lux/F1.4(Color,1/30s,30IRE)					Smart IR Digital Zoom	Support 16x
C/N Patio		OLux/F1.4(IR on) More than 45dB					Flip	0°/90°/180°/270°
S/N Ratio							Mirror	Off / On
IR Distance		Distance up to 60m(197ft)					Privacy Masking	Off / On (4 Area, Rectangle)
IR On/Off Control		Auto/ Manual					Audio	
IR LEDs		4					Compression	N/A
Lens		Materized 7C) Marcall MC)					Network	
Lens Type Mount Type		Motorized(-ZS),Manual(-VFS)					Ethernet	RJ-45 (10/100Base-T)
Focal Length		Board-in 2.7mm~13.5mm					Protocol	HTTP;HTTPS;TCP;ARP;RTSP;RTP;UDP;RTCP;SMTP;FT P;DHCP;DNS;DDNS;PPPOE;IPv4/v6;SNMP;QoS;UPnP;
Max. Aperture		F1.4						NTP;IEEE802.1X;
Angle of View		H:104°~28°, V:55°~16°					Interoperability	ONVIF, PSIA, CGI
Focus Control		Motorized(-ZS),Manual(-VFS)					Streaming Method	Unicast / Multicast
Close Focus Dist	ance	0.2m					Max. User Access	20 Users
	Lens	Detect	Observe	Recognize	Identify		Edge Storage	NAS Local PC for instant recording Micro SD Card 128GB
DORI Distance	W	64m(210t)	26m(85ft)	13m(43ft)	6m(20ft)		Web Viewer	IE, Chrome, Firefox, Safari
	Т	222m(728ft)	89m(292ft)	44m(144ft)	22m(72ft)		Management Software	Smart PSS, DSS,DMSS
PTZ							Smart Phone	IOS, Android
Pan/Tilt Range		Pan:0° ~355°; Tilt:0° ~90°; Rotation:0° ~330°					Certifications	
Video Compression		H.265+/H.265/H.264+/H.264					Certifications	CE (EN 60950:2000) UL:UL60950-1 FCC: FCC Part 15 Subpart B
Streaming Capal	bility	2 Streams					Interface	r co. r co r are 13 Suppare B
Resolution		(2688×1520)/(2560×1440)/ (2304×1296)/1080P(1920×1080)/ SXGA(1280×1024)/1.3M(1280×					Video Interface	N/A
							Audio Interface	N/A
		960)/720P(1280×720)/D1(704×576/704×480)/ VGA(640×480)CIF(352×288/352×240)					RS485	N/A
Frame Rate		4M (1 ~ 20fps)/3M(1 ~ 25/30fps)					Alarm	N/A
		D1/CIF(1 ~ 25/30fps)					Electrical	
Bit Rate Control		CBR/VBR					Power Supply	DC12V PoE (802.3af)(Class 0)
Bit Rate		H.265: 12K ~ 8448Kbps H.264: 32K ~ 10240Kbps					Power Consumption	<11.74W(-ZS), <9.09W(-VFS)
Day/Night		Auto(ICR) / Color / B/W						

BLC Mode

BLC / HLC / WDR(120dB)



Environmental

Operating Conditions	-30° C ~ +60° C (-22° F ~ +140° F) / Less than 95% RH
Strorage Conditions	-30° C ~ +60° C (-22° F ~ +140° F) / Less than 95% RH
Ingress Protection	IP67
Vandal Resistance	N/A

Construction

Casing	Metal
Dimensions	72mm×80mm×212.8mm ((2.8" x 3.1"x 8.4"))
Net Weight	0.685Kg (1.51lb)
Gross Weight	0.86Kg (1.90lb)

Ordering Information					
Туре	Part Number	Description			
	DH-IPC-HFW2431RP- ZS-IRE6	4MP WDR IR Bullet Network Camera, PAL			
	DH-IPC-HFW2431RN- ZS-IRE6	4MP WDR IR Bullet Network Camera, NTSC			
	IPC-HFW2431RP- ZS-IRE6	4MP WDR IR Bullet Network Camera, PAL			
4MP camera	IPC-HFW2431RN- ZS-IRE6	4MP WDR IR Bullet Network Camera, NTSC			
4IVIP Camera	DH-IPC-HFW2431RP- VFS-IRE6	4MP WDR IR Bullet Network Camera, PAL			
	DH-IPC-HFW2431RN- VFS-IRE6	4MP WDR IR Bullet Network Camera, NTSC			
	IPC-HFW2431RP- VFS-IRE6	4MP WDR IR Bullet Network Camera, PAL			
	IPC-HFW2431RN- VFS-IRE6	4MP WDR IR Bullet Network Camera, NTSC			
Accessories	PFA135	Junction box			
(optional)	PFA150	Pole mount			

Accessories

Optional:



Junction Mount	Pole Mount
PFA135	PFB135 + PFA150

Dimensions (mm/inch)

