



Multiple cameras all-in-one.

Fisheye Series: 360° view, panoramic fisheye domes available in 5.0MP

Designed to perform the duties of multiple cameras, the Fisheye series transforms your surveillance experience. This compact camera grants the benefit of 360° field of view, with infrared range and IVS functions.

- Stream up to 5.0MP (2592 x 1944) at 25ps
 - Circular fisheye lens with 360° viewing angle
 - Multiple dewarp modes* for ceiling & wall mounting
 - Up to 10m Infrared range; true day/night (auto ICR)
 - IVS functions, including heat map & motion detection
 - H.265+ encoding for efficient storage & streaming
 - True WDR (120dB) & back/highlight compensation
 - MicroSD card slot for edge recording up to 128GB
 - Power via 12VDC or PoE ; ONVIF, API & CGI compliance
- * *Fisheye dewarp compatible with select NVRs only*



Fisheye Image Dewarp Modes



Superb Low Light Performance



Intelligent Video Functions

Specifications		5.0MP Panoramic Fisheye Dome	
Ordering Information		CAM491	
Camera	Image Sensor	1/2.7" 5.0MP Progressive Scan CMOS	
	Effective Pixels	2592 (H) x 1944 (V)	
	RAM / ROM	512MB / 32MB	
	Min. Illumination	Colour: 0.006 Lux (F2.0, 1/3s), 0.02 Lux (F2.0, 1/30s), 0 Lux (F2.0, IR on)	
	S/N Ratio	N/A	
	Infrared System	3 x Infrared LED, 10m range, Auto/Manual on/off control	
Lens	Lens / Iris	1.4mm F2.0 Fixed Circular Fisheye Lens	
	Field of View	Horizontal: 180°, Vertical: 180°	
	Focus	Fixed	
DORI	Detect (25px/m)	28m	
	Observe (63px/m)	11m	
	Recognise (125px/m)	6m	
	Identify (250px/m)	3m	
Resolution		5.0MP (2582 x 1944) to CIF (352 x 288)	
Video	Frame Rate	Main	5.0MP (1~25fps)
		Sub	D1 (1 ~ 25fps)
		Third	D1 (1 ~ 10fps)
Video Compression		H.265+ / H.265 / H.264+ / H.264 / H.264H / MJPEG (Sub Stream)	
Bit Rate		H.265: 3 ~ 40960Kbps / H.264: 3 ~ 40960Kbps	
Bit Rate Control		Constant bit rate (CBR) / Variable bit rate (VBR)	
Day/Night		Auto (ICR) / Color / B&W	
Lighting Compensation		BLC / HLC / True WDR (120dB)	
White Balance		Auto / Natural / Street Lamp / Outdoor / Manual	
Gain Control		Auto / Manual	
Noise Reduction		3D DNR	
Dewarping Modes		Multiple Dewarped Modes	
IVS	Intelligent Functions		
	Tripwire, Intrusion, Motion Detection (4 zones), Region of Interest (4 zones), Privacy Masking (4 zones), Smart Infrared, Heat Map		
Network	Ethernet	RJ-45 (100/1000Base-T)	
	Protocol	HTTP; TCP; ARP; RTSP; RTP; UDP; RTCP; SMTP; FTP; DHCP; DNS; DDNS; PPPoE; IPv4/v6; SNMP; QoS; UPnP; NTP; RTMP	
	Streaming Method	Unicast / Multicast	
	Max. User Access	10 / 20 Users	
Interface	Video Interface		
	N/A		
	Audio Interface		
	1 Input, 1 Output, 1 Built-in Mic / Compression: G.711a/G.711Mu/PCM		
	Alarm Interface		
	1 Input (5mA 5VDC), 1 Output (300mA 12VDC)		
RS485			
N/A			
Edge Storage			
MicroSD Card (up to 128GB) / NAS / Local PC			
Interoperability			
ONVIF / API / CGI			
Environmental	Power Supply		
	12VDC / PoE (802.3af)		
	Power Consumption		
	12VDC: <2.7W (<8.2W IR On) / PoE: <3.3W (<10.1W IR On)		
	Operating Conditions		
	-10° ~ +50° C / Less than 95% RH		
	Ingress Protection		
	N/A		
Vandal Resistance			
N/A			
Housing			
Metal + Plastic			
Pan/Tilt/Rotation			
N/A			
Dimensions			
Ø126.2mm x 44.7mm			
Net Weight			
0.28kg			

Fisheye Dome Installation

Application	Diagrams			
	Mounting Options	 Junction Box	 Ceiling Mount VSBKTB110W (*Special Order)	 Wall Mount MB1043

Your local VIP Vision™ IP solutions professional: