

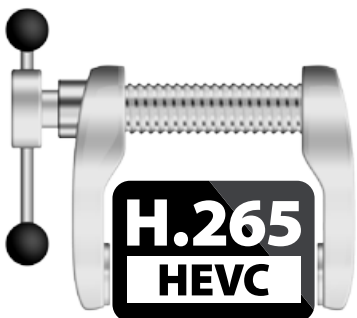


Unparalleled versatility.

Ultimate Series: Motorised lens domes available in 2.0MP, 8.0MP & 12MP

Experience the best in surveillance with the Ultimate Series. Each dome offers the best in resolution and image quality, with the tools to deliver excellent video evidence in even the most challenging lighting conditions.

- Stream beyond UHD; 12.0MP (4000 x 3000) at 20fps
- Excellent low light performance; colour at 0.002 lux
- Motorised lens & auto iris for up to 4x optical zoom
- Up to 50m smart infrared; true day/night (auto ICR)
- MicroSD slot for recording at the edge up to 128GB
- H.265 high efficiency video compression technology
- Face detection & electronic image stabilisation
- Backlight/highlight compensation and WDR
- Alarm and audio interface; tester video output
- Metal IP67/IK10 weather/vandal rated housing



Efficient Video Storage & Streaming



Record at and Beyond Ultra HD



Unrivaled Camera Functionality

Series Specifications

Model		CAM431				
Camera	Image Sensor	1/2.5" 8.0MP Progressive Scan CMOS				
	Effective Pixels	3840 (H) x 2160 (V)				
	RAM / ROM	512M / 32MB				
	Min Illumination	0.05 Lux/F1.6 (Color), 0 Lux/F1.6 (IR on)				
	S/N Ratio	> 50dB				
Infrared System		3 x Infrared LED, 50m range, Auto/manual on/off control				
Lens	Lens / Iris	7 ~ 35mm F1.4 Motorised Varifocal Lens with Auto Iris				
	Field of View	Horizontal: 102°~39°, Vertical: 38°~14° (4x Optical Zoom)				
	Focus	Auto Focus / 0.3m Focus Distance				
Video	Resolution	8.0MP (3840 x 2160) to CIF (352 x 288)				
	Frame Rate	Main	8.0MP (1 ~ 15fps) / 3.0MP (1 ~ 25fps)			
		Sub	D1 (1 ~ 25fps)			
		Third	720p (1 ~ 25fps)			
	Video Compression	H.265 / H.264				
	Bit Rate	H.265: 14 ~ 9984Kbps / H.264: 24 ~ 10240Kbps				
	Bit Rate Control	Constant bit rate (CBR) / Variable bit rate (VBR)				
	Day/Night	Auto (ICR) / Color / B&W				
	Lighting Compensation	BLC / HLC / DigitalWDR				
	White Balance	Auto / Natural / Street Lamp / Outdoor / Manual				
Gain Control	Auto / Manual					
Noise Reduction	3D DNR					
Picture Control	Mirror / Flip (0°, 90°, 180°, 270°)					
IVS	Intelligent Functions	Face Detection, Motion Detection (4 zones), Region of Interest (4 zones), Privacy Masking (4 zones), Smart Infrared 2.0MP and 12.0MP only: Electronic Image Stabilisation, Defog				
Network	Ethernet	RJ-45 (10/100 Base-T)				
	Protocol	HTTP; HTTPS; TCP; ARP; RTSP; RTP; UDP; SMTP; FTP; DHCP; DNS; DDNS; PPPOE; IPv4/v6; QoS; UPnP; NTP; Bonjour; 802.1x; Multicast; ICMP; IGMP; SNMP				
	Streaming Method	Unicast / Multicast				
	Max. User Access	10 Users / 20 Users				
Interface	Video Interface	Video Tester Composite Output				
	Audio Interface	1 Input, 1 Output / Compression: G.711a, G.711mu, AAC, G.726				
	Alarm Interface	1 Input / 1 Output				
	RS485	N/A				
	Edge Storage	MicroSD Card (up to 128GB) / NAS / Local PC				
Interoperability		ONVIF / PSIA / CGI				
Environmental	Power Supply	12VDC / PoE (802.3af) (Class 0)				
	Power Consumption	<12.5W				
	Operating Conditions	-30° ~ +60° C / Less than 95% RH				
	Ingress Protection	IP67				
	Vandal Resistance	IK10				
	Housing	Metal, Polycarbonate				
	Pan/Tilt/Rotation	Pan: 0° ~ 355°; Tilt: 0° ~ 65°; Rotation: 0° ~ 355°				
	Dimensions	Ø159mm x 118mm				
Net Weight		0.89kg				
Application	Diagrams					
	Accessories					
	Models	Junction Box (MB1052)	In-Ceiling Mount (MB1062)	Ceiling Extension (MB1028+ MB1040)	Wall Mount (MB1033+ MB1040)	Pole Mount (MB1033+ MB1027+ MB1040)