

Thresher 4K

FEATURES

- ▶ High Resolution IP Camera
- ▶ Up to 4K resolution @ 30fps
- ▶ Ultra wide angle, low distortion lens
- ▶ 8x digital zoom
- ▶ HTTP API control
- ▶ Onvif profile S compliant
- ▶ On-board recording and remote download
- ▶ Optional scaling lasers
- ▶ 1,000m rated

Technical specifications on reverse

Technical Specs

Manta HD

PARAMETER	THRESHER 4K
Model Number	AR208
Depth Rating	1,000m (3,300ft)
Sensor	Sony IMX226CQJ, 1/1.7" back-illuminated CMOS
Supported Resolutions	4000x3000 (12MP), 3840x2160 (4K), 1920x1080 (FHD), 1280x1024 (SXGA), 1280x720 (HD), 704x480 (4CIF), 640x480 (SD), 352x288 (CIF)
Max Frame Rate	30fps (NTSC), 25fps (PAL), 20fps (12M) progressive scan
Video Compression	H.264, H.265, MJPEG
Supported Protocols	TCP/IP, UDP/IP, IPv4/6, RTSP, RTP, RTCP, HTTP, HTTPS, FTP, DHCP, ARP, ONVIF Profile S, Bonjour, Zeroconf, UpnP, Built-in web page
IP Video Latency	<200ms glass-to-glass
CVBS Output	Standard Definition Composite Video, NTSC or PAL format
Network	10/100 Base-T Ethernet
Min Illumination	0.01 lux (color)
Lens	Flat port: 2.7mm, f/2.8, low-distortion, wide-angle rectilinear (<2% TV) Dome port: 3.6mm f/2.8, rectilinear
Zoom	8x Digital
Angle of View (dome port, in water)	D = 97°, H = 89°, V = 58°
Angle of View (flat port, in water)	D = 77°, H = 73°, V = 53°
Housing Materials	6061-T6 Aluminum, hard-anodized black with Acrylic flat viewport or BK7 glass dome port and Black Delrin bezel. Other materials optional.
Power	9-36Vdc (standard) or 18-75Vdc (optional)
Power Draw	4-8W, depending on settings
Storage	128GB MicroSD card. Remote download via FTP
Scaling Lasers	Four 520nm green or 635nm red dot lasers, Class II (<1mW each) at 45mm spacing. Available on flat-port models only.
Dimensions	90mm (3.6in) L (Flat), 100mm (3.9in) L (Dome) x 63mm (2.5in) Dia.
Weight	Dome port: 480g (in air), 180g (in seawater) Flat Port w/lasers: 470g (in air), 170g (in seawater)
Operating Temp.	0°C -45°C (operational in water), -10°C -60°C (storage)
Main Connector MCBH8M	1: GND 2: +Vin 3: Video GND 4: Video OUT 5: Eth TX- 6: Eth TX+ 7: Eth RX- 8: Eth RX+