Tower Camera

Experience the fusion of IR imaging, radar, and AI for long-range 360° 5-dimensional coverage

THROUGH THE LOOKING GLASS

Designed with complete situational awareness in mind, this multi-sensor tower creates a secure communication network of electronic intelligence allowing users to perceive, interpret, and act on hazards before danger gets close. The TowerCam's wave radar system is continuously seeking objects and will determine their distance and speed of travel. Combined with IR day/night vision and AI, the TowerCam provides situational analytics, escalating relevant events and alerts for streamlined, time-sensitive monitoring. The resilient TowerCam delivers superhuman surveillance and split-second action in challenging environments.

- **Detect, recognize, and identify threats** from 10m to 1Km
- **Intelligence at the edge** delivers insightful performance with minimal network impact
- **Highly redundant architecture** reduces down-time risk and MRO complexity
- **Inbuilt battery backup** allows for continuous operations despite power fluctuations
- **Innovate pod design** ensures robust performance with greater flexibility and customization

Multi-Sensors Fusion
Visible and millimeter wave radar for improved situational awareness

Artificial Intelligence
Identify, classify, track and range potential hazards in real-time

Foolproof Recording
Local and remote recording to maximize data retention

Weather-Safe Cameras
Use in rain, fog, sun, dust, hail, and snow
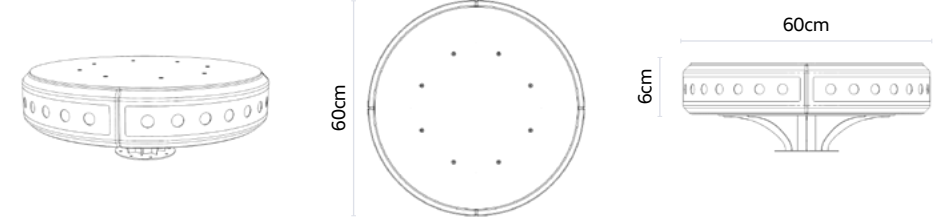
For full specs, visit
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CAMERA [POD]		SPEC	WV4G	WV5G	WK3G
	Number of Cameras	-	5	7	3
	Number of Radars	-	-	-	2
	Total Horizontal FOV	-	100	105	105
CAMERA	Sensor Type	-	4K Color CMOS sensor	4K Color CMOS sensor	4K Color CMOS sensor
	Resolution	-	3840x2160 [8.5Mpix]	3840x2160 [8.5Mpix]	3840x2160 [8.5Mpix]
	Horizontal FOV	-	22º	16º	36.5º
	Wavelength Range	-	400-1000 nm	400-1000 nm	400-1000 nm
	Lens	-	16mm	22mm	8mm
	Shutter Type	-	Rolling	Rolling	Rolling
	Minimal Illumination	-	2mLux [Moonless Starlight]	2mLux [Moonless Starlight]	2mLux [Moonless Starlight]
RADAR	Radar Type	-	-	-	Solid state
	Radar Sensor	-	-	-	mmWave
	Operation Bandwidth	-	-	-	76 - 81Ghz
PROCESSING [POD]	Processing Unit	-	Multicore CPU, GPU, NPU	Multicore CPU, GPU, NPU	Multicore CPU, GPU, NPU
	Onboard Memory	-	8 GB RAM / 256 GB SSD	8 GB RAM / 256 GB SSD	8 GB RAM / 256 GB SSD
COMMUNICATION [POD]	GPRS Module	-	4G [SIM card required]	4G [SIM card required]	4G [SIM card required]
	Wired Network	-	10/100/1Gbit	10/100/1Gbit	10/100/1Gbit
	Wireless Network	-	802.11b/g/n/ac	802.11b/g/n/ac	802.11b/g/n/ac
	Wireless Range	-	10m (33')	10m (33')	10m (33')
	WiFi Security	-	WPA2	WPA2	WPA2
	Network Protocol	-	RTSP, ONVIF-S, HTTP, TCP, UDP, TFTP, TELNET	RTSP, ONVIF-S, HTTP, TCP, UDP, TFTP, TELNET	RTSP, ONVIF-S, HTTP, TCP, UDP, TFTP, TELNET
POWER [POD]	Voltage Input Range [Vdc]	-	24Vdc	24Vdc	24Vdc
	Max Input Current [Adc]	-	11Adc	12Adc	7.5Adc
	Power Input Range [Watts]	-	250	280	170
	Battery Backup	-	Yes	Yes	Yes

SYSTEM		SPEC	WV4G	WV5G	WK3G
	Video Out	-	Ethernet / WiFi / HDMI	Ethernet / WiFi / HDMI	Ethernet / WiFi / HDMI
	Video Stream Protocols	-	RTSP, MJPEG	RTSP, MJPEG	RTSP, MJPEG
	Video Streams Resolution	-	1080p	1080p	1080p
ENVIRONMENTAL	Ingress Protection [Pod]	-	IP67	IP67	IP67
	Operating Temperature [Pod]	-	-20 to +50ºc (-4 to 122ºf)	-20 to +50ºc (-4 to 122ºf)	-20 to +50ºc (-4 to 122ºf)
	Storage Temperature [Pod]	-	-40 to +60ºc (-40 to 140ºf)	-40 to +60ºc (-40 to 140ºf)	-40 to +60ºc (-40 to 140ºf)
PHYSICAL [POD]	System Weight [Pod]	-	1.3Kg (2.9lbs)	1.5Kg (3.3Lbs)	1.1Kg (2.4Lbs)
	Dimensions (Pod) [LxWxH]	-	40x15x15cm (15.75"x6"x6")	40x15x15cm (15.75"x6"x6")	40x15x15cm (15.75"x6"x6")
	Material	-	UV stabilized ABS/ PC blend| Machined aircraftaluminum	UV stabilized ABS/ PC blend| Machined aircraftaluminum	UV stabilized ABS/ PC blend| Machined aircraftaluminum
	System Diameter (Full 360)	60cm (24")	-	-	-
	System Weight (Full 360)	≤9Kg (≤20lbs)	-	-	-
OTHER FEATURES	Electronic Scene Stitching	-	Yes	Yes	Yes
	Electronic Image Stabilization	-	Yes	Yes	Yes
	Video Compression	-	H.264	H.264	H.264
	Day / Night Modes	-	Yes	Yes	Yes
	IR Illumination (850nm)	-	Yes	Yes	Yes
	Video Analytics (AI)	-	Yes	Yes	Yes
	GPS	-	Yes	Yes	Yes
	Collision Avoidance	-	Yes	Yes	Yes
	Virtual Security Perimeter	-	Yes	Yes	Yes

Mechanical Line Art

FULL

60cm / 60cm / 6cm

WEDGE

15cm / 15cm / 6cm / 6cm / 6cm
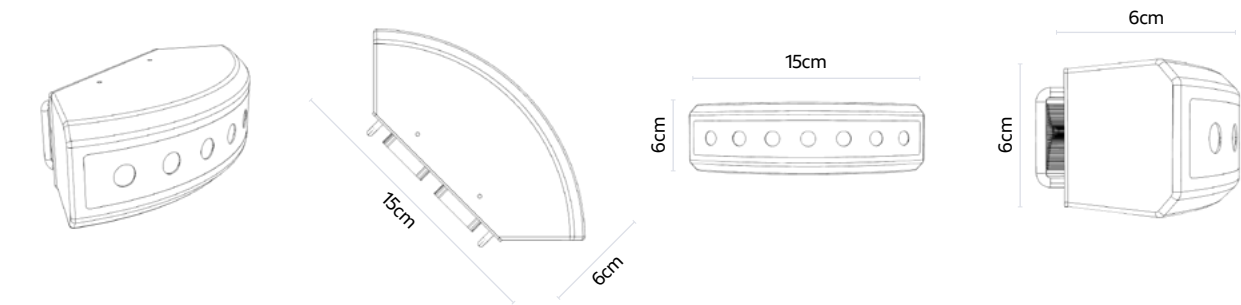
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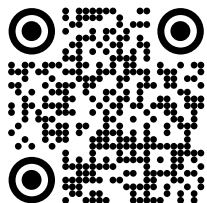## See what lies ahead.

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Scan for full specs and to **learn more about how you can harness the power of AI integrated with advanced day & night vision technology** powered by the next generation of intelligent vision systems.