

ULTRA HIGH DEFINITION RADAR

UMRR-OC

- ✓ 4D/UHD
- ✓ Multi-lane
- ✓ Replaces Loops, outperforms video detectors
- ✓ Detects moving and stopped traffic
- ✓ Works under all conditions
- ✓ Maintenance free



Intersections

- Stop Bar+
- Stop + Advance
Stop Bar and Advance
Detection with one
Single Sensor



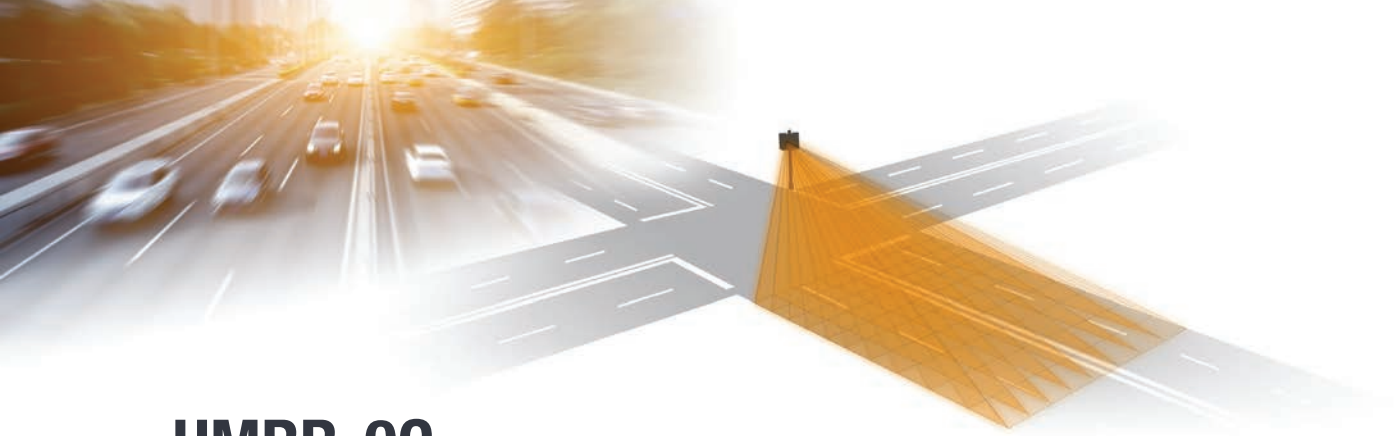
Arterials

- Forward+
Traffic Counting
and Classification



Enforcement

- Red Light Enforcement
- Speed Enforcement
Certified



UMRR-OC

	Type 40	Type 42	Type 43
APPLICATIONS	Stop+Advance 3D/HD Forward+ 3D/HD	Stop Bar+ 3D/UHD Stop+Advance 3D/UHD Forward+ 3D/UHD Enforcement 3D/UHD	Stop Bar+ 4D/UHD Stop+Advance 4D/UHD Forward+ 4D/UHD Enforcement 4D/UHD
TECHNOLOGY	3D Object Tracking with HD Resolution	3D Object Tracking with UHD Resolution	4D Object Tracking with UHD Resolution
PERFORMANCE			
Detection Range (Passenger Car)	350m (1148ft) / China 230m	250m (820ft) / China 230m	230m (754ft) / China 120m
Detection Range (Truck)	450m (1476ft) / China 350m	340m (1115ft) / China 300m	320m (1050ft) / China 280m
Maximum Detection Range	450m (1476ft)	170m (557ft) or 340m (1115ft)*	170m (557ft) or 340m (1115ft)*
Azimuth Field of View	-18° to +18°	-50° to +50°	-50° to +50°
Elevation Field of View			-8° to +8°
Number of Lanes	Up to 6	Up to 8	Up to 8
Minimum Detection Range		1.5m (5ft) or 3m (10ft)*	
Range Accuracy		typ. <±2.5% or <±0.25m (bigger of)	
Speed Accuracy		typ. <±0.28m/s or <±1% (bigger of)	
Speed Interval		-88.8 to +88.8m/s (-320 to +320km/h)	
Refresh Time	<80ms	<54ms	<54ms
Simultaneously Tracked Objects		Up to 256	
MECHANICAL			
Weight		1290g (45.5oz)	
Dimensions		212.6 x 154.6 x 38.15mm	
Enclosure		Rugged, watertight casing (IP67)	
ENVIRONMENTAL			
Operation Temperature		-40 to +74°C (-40 to +165°F)	
Shock; Vibration		100g rms; 14g rms	
GENERAL			
Frequency Band; EIRP		24.0 to 24.25GHz (K Band); 20dBm or 12.7dBm in certain regions*	
Mounting Height		1.5 to 10m (5 to 32.5ft)	
Power Supply		13 to 32 VDC; typ. 12W	
Connector		12 Pin plug Hirose LF10WBRB 12PD (Bayonet)	
Communication Interface		Ethernet, RS485, CAN Bus, Relays (Option)	
Compatible Interface Modules		NEMA Cabinet Cards (Relays, SDLC), HSDPA/UMTS/GPRS WiFi Modems	
Other Features		Real Time Clock, Flash Memory for >2 months storage	

*Can be selected

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