



HANDHELD – MR175 *Border Patrol, Checkpoints, SAR*



MR175 illuminates at over 1.5mi (25 football fields) and weighs only 7.9lbs. It is ergonomically designed and built from military grade materials.

SEMI-FIXED – MR2300 *Vehicles, Vessels, MVSS Integration*



MR2300 illuminates targets at over 2mi and is the most powerful vehicle-mounted illuminator available while compact and Mil-Std-810G for extreme conditions.

FIXED – MR3400 *RVSS Integration, Border Security*

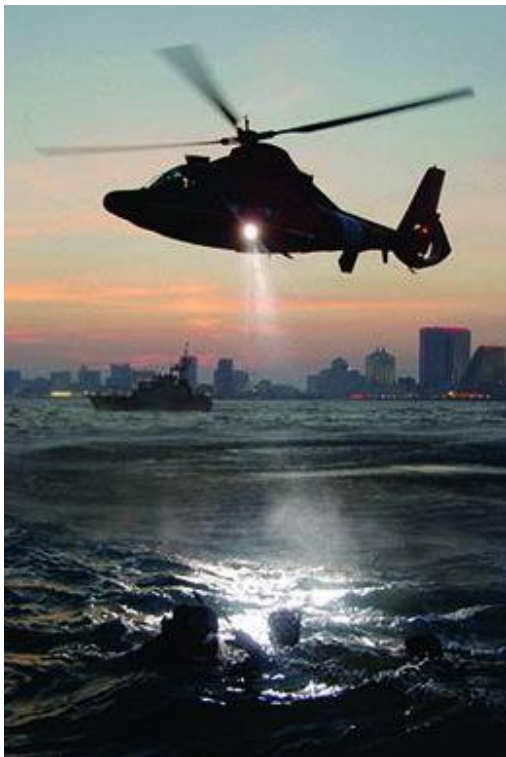


Our most powerful illuminator, the MR3400 provides extended long-range and wide-area surveillance in excess of 3mi; it is Mil-Std-810G & 461F for EMI.

PRODUCT APPLICATIONS

VISIBLE MODE

MR175 ON HELI'S FOR GREATER FLEXIBILITY AND LOWER COST THAN FIXED OPTIONS



NON-LETHALLY DENY HOSTILE ADVANCE AND DETERMINE TARGET INTENT AT LONG RANGE



DISABLE UAV CAMERAS AND SUPPRESS / PREVENT RETURN FIRE



COVERT IR MODE (COMPLETELY INVISIBLE)

ENABLE VEHICLE CCD CAMERAS TO SEE IN NO / LOW LIGHT WHEN THERMAL CANNOT BE USED...



...FOR TARGET ID (FACES, LICENSE PLATES ETC), IED DETECTION AND DRIVER VISIBILITY ENHANCEMENT



PRODUCT FEATURES

MULTIPLE COVERT MODES FOR LONGEST ILLUMINATION RANGE WHILE MAINTAINING MAX INVISIBILITY TO ENEMY NIGHT VISION



VARIABLE INTENSITY & STROBE FOR NON-LETHAL ESCALATION AND PROPRIETARY DESIGN FOR OPTIMAL HAIL & WARNING



BUILT TO AEROSPACE STANDARDS, NO MAINTENANCE OR SPARE PARTS AND AN INDUSTRY LEADING 3 YEAR WARRANTY



EASILY DEPLOYED / INTEGRATED BEING POWERED BY ANY 12-32VDC SOURCE OR STANDARD BB-2590 MILITARY BATTERIES



ABOUT US

Megaray manufactures the **most powerful mil-spec land, weapon and maritime multi-spectral illuminators available**. Since our founding in 1982 we have been a pioneer in the high-intensity Visible, IR & SWIR illumination market with **multiple optical and thermal management patents**.

We invest heavily in R&D, led by a team of electrical, mechanical and optical engineers to ensure we continually **introduce new products with the latest technology** and highest performance levels. Owing to our focus on quality, our products have the **industry's longest MTBF and warranty period**.

Our products are **battle proven with the most demanding users in the harshest environments** including the US Military, Japanese Navy and Special Forces of multiple EU countries.

We are the only manufacturer with **purpose built high-intensity illuminators for handheld, crew served weapons, mobile and fixed applications** allowing us to be a single source provider for **military, law enforcement and border security needs**.

SPECIFICATIONS



MR175



MR2300



MR3400

	MR175	MR2300	MR3400	
Optical System & Illumination	Short-arc xenon (W)	175	90 – 300	200 – 400
	Complex Galilean-telescope system	Yes	Yes	Yes
	Visible lux at: 250m, 2°, 5700K	51	70	83
	Covert infrared	860 nm	860 nm	860 nm
	Ultra-Covert infrared & SWIR	Yes (specs by inquiry)	Yes (specs by inquiry)	Yes (specs by inquiry)
	Spot to flood range	2° – 6° (9° -74° with lens)	2.5° (9° -74° with lens)	2° – 6°
Light Unit	Hardware remote control	No	Yes	Yes
	Software (RS-485) and wireless control	No	Yes	Yes
	Continuous and 8 Hz strobe modes	Yes	Yes	Yes
	Weight (lbs. / kg)	7.9 / 3.6	7.1 / 3.2	20.3 / 9.2
	Dimensions (l x d x h) (in / mm)	5.1 x 18.1 x 12.4 130 x 460 x 315	5.7 x 14.4 x 5.7 145 x 365 x 145	8.5 x 21.3 x 8.5 215 x 540 x 215
Power Supply	External source or battery powered	Yes	Yes	Yes
	Power source (VDC)	12 – 32	18 – 32	18 – 32
	Current at 24V (A)	8	4 – 14	9 – 18.5
	Weight (lbs. / kg)	N/A (Internal)	4.9 / 2.2	4.9 / 2.2
	Dimensions (l x d x h) (in / mm)	N/A (Internal)	8.5 x 6.1 x 3.9 215 x 156 x 100	8.5 x 6.1 x 3.9 215 x 156 x 100
BB-2590 Battery	Quantity and type	1 x Li-ion 24V 10Ah	1 – 2 x Li-Ion 24V 10Ah	1 – 2 x Li-Ion 24V 10Ah
	Run time on high beam mode (min.)	90	115	75
	Battery pack weight (lbs. / kg)	3.0 / 1.3	6.0 / 2.6	6.0 / 2.6
	Battery pack dims. (l x d x h) (in / mm)	4.4 x 2.5 x 5 113 x 63 x 127	4.4 x 5 x 5 113 x 127 x 127	4.4 x 5 x 5 113 x 127 x 127