TELEDYNE | FLIR Defense

MFLIP-HP

Multi-Function Laser Illuminator Pointer - High Power





Teledyne FLIR's proprietary laser diode technology achieves superior illumination for improved image quality with higher signal-to-noise ratios than competing technologies.

Our high-power Vertical-Cavity Surface-Emitting Laser (VCSEL) array coupled with an ultra-high reliability Miniature Laser Pointer (MLP) provides the speckle-free, uniform spatial illumination required for scene recognition and the ability to mark targets from long distances.

Delivering a low weight, high efficiency, and high reliability package capable of meeting the most demanding applications, MFLIP-HP is ready to support your mission.

FEATURES

UP TO 425 MW OF 860 NM NEAR INFRARED (NIR) VCSEL ILLUMINATION

1-DEGREE DIVERGENCE ILLUMINATOR BEAM

CONTINUOUS AND CAMERA-SYNCHRONIZED OPERATION

SUPERIOR BEAM QUALITY WITH LOW SPECKLE

0.5 MRAD, 830 NM POINTER BEAM CAPABLE OF MARKING OBJECTS >12 KM

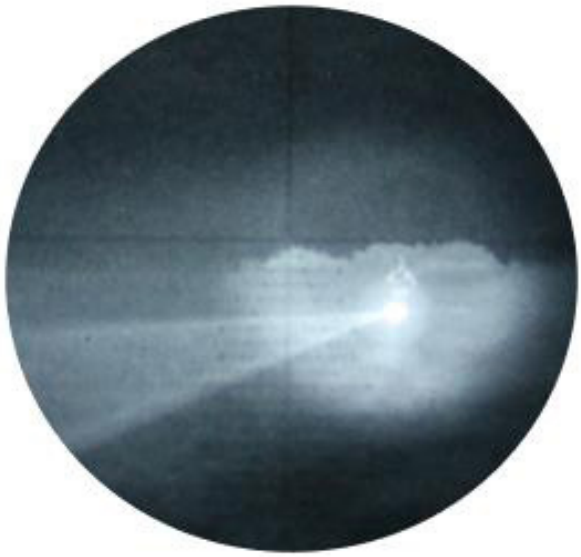
For more information contact:
VCSEL@Teledyne.com

SPECIFICATIONS

Parameter	Illuminator value	Pointer value
Max Output Laser Power	425 mW	125 mW
Beam Divergence	1- 4° (*fixed to user's specs)	0.5 mrad
Wavelength (Custom available)	860 nm	830 nm
Classification	Class 3B	Class 3B
System Dimensions (in)	4.26 x 3.16 x 0.86	
System Input Voltage	12 V	
System Communication	UART or Strobe/PWM	



4.5 km, moonless night, commercially available CMOS Camera, MFLIP-HP



325 m, moonless night, Teledyne FLIR AN/PVS-27 (MUNS), MFLIP-HP



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For more information contact:
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