



DISMOUNTED

## MRDCS

# Mid-Range Dual Channel Sight

Developing the next generation clip on  
weapon sight

The first multi-channel digitally fused weapon sight, Mid-Range Dual Channel Sight (MRDCS) provides user select/individual channel of shutterless LWIR imagery, dense day/night near infrared imagery or a digitally fused scene with user spilt screen options/controls. The MRDCS supports a variety of midrange weapon systems, direct view optics, and co-use to include laser pointers/laser illuminators and laser range finders.

### KEY FEATURES

- 10 micron long wave channel
- Digital Near Infrared (DNIR)
- Select LWIR/DNIR/Fused as needed
- Weighs less than 2lbs
- Clip-on use optimized with 1-12X DVOs
- Mounts to the M1913 rail via single right side throw lever



LWIR FUSED WITH NIR OUTLINE



NIR FUSED WITH LWIR REDHOT



LWIR WITH NIR PIP



NIR WITH LWIR PIP

## ACCESSORIES

- Soft Case
- Wired remote
- Lens Covers
- Lens Cleaning Kit
- Operator's Manual

## INFRARED FOCAL PLANE ARRAY

Component	Description
Detector	LWIR ROIC
Detector Pitch	10 $\mu$ m
Format	640 x 512

## INFRARED OPTICS

Field of View (H x V)	10° x 7.5°
Range of Human Detection	1000+ m

## PHYSICAL CHARACTERISTICS

Dimensions (L x W x H)	3.25 x 3.5 x 5.9 in
Weight	1.74 lbs
Weapon Platforms	M4, M110, M249

## OPERATIONAL

Frame Rate	60 Hz
Digital Video Output	USB\7 Pin (X2)
Automatic Gain Control	Yes
Zoom	2X, 4X
Image Processing	Compact HDR (cHDR) contrast and edge enhancement

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## VISIBILE FOCAL PLANE ARRAY

Component	Description
Detector	DNIR
Detector Pitch	9.6 $\mu$ m
Format	1280 x 960
Spectral Band	-500 to 1000+ nm

## VISIBLE OPTICS

Field of View (H x V)	10° x 7.5°
Range of Human Detection	1000+ m

## ENVIRONMENTAL

Operating Temperature	-40°C to +49°C
Humidity	100%

## POWER

Battery	X2 or X4 CR123
Battery	2-4hrs single channel
External Power	Yes

