

# MicroView™ MV35



Improve your survivability, lethality and combat effectiveness with the look-down capability of the MV35.

#### KEY APPLICATIONS

- ▶ Remote viewing of any NTSC/RS170 or RGB device including various video sights, computers, maps, GPS and other data information

#### KEY FEATURES

- ▶ Includes proprietary OLED calibration process
- ▶ Left and right eye compatible
- ▶ Provides a wide field of view picture with minimal vision obstruction
- ▶ Military eyewear or helmet mounting options
- ▶ HMD weighs less than 50 grams

*Now available: lower weight,  
lower cost, composite versions*

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### DISPLAY MODULE PERFORMANCE PARAMETERS

Image source type	Full-color or monochrome green XL AMOLED 800 (x3) pixels x 600 lines
Resolution	2.1 arcmin/color group
Luminance	0.1-35 foot - Lamberts
Contrast	>100:1
Mechanical	Left or right eye compatible standard; clip on to military approved eyewear*
Weight	50 grams
Interface	Includes 0.6 m cable with water-resistant quick disconnect Glenair® connector*
Field of view	SVGA resolution (800 x 600) 28° horizontal x 21° vertical (35° diagonal) NTSC/VGA resolution (640 x 480) 22° horizontal x 17° vertical (28° diagonal)
Optics	Plastic aspheric lens
Exit pupil	Non-pupil forming

\*Optional mounting on eyewear or helmets - call for further information.

\*Other cable lengths available - call for further information.

### BATTERY OPERATED DISPLAY CONTROL MODULE

Mechanical	Clip on to belt or webbing
Weight	450 grams (including three AA batteries)
Dimensions	H: 4.0", W: 28", D: 1.2"
Cable length	1.2 meters
Interface	Glenair quick disconnect (custom interface cables available separately)
Analog video rates	800 x 600 (SVGA 56 Hz to 85 Hz) 640 x 480 (VGA 60 Hz to 85 Hz)
Analog video inputs	R, G, B, HS Optional NTSC/RS-170 (A)
Controls	Brightness up/down Video flip
Power	Three AA batteries Operation >8 hrs
Alternative power	VIN 4.5-28 VDC, 1.5 W nominal

### POWER OPERATED DISPLAY CONTROL MODULE

Mechanical	Clip on to belt/reversible clip
Weight	380 grams
Dimensions	H: 4.0", W: 28", D: 1.2"
Cable length	1.6 meters
Interface	Glenair quick disconnect
Analog video rates	800 x 600 (SVGA 56 Hz to 85 Hz) 640 x 480 (VGA 60 Hz to 85 Hz)
Analog video inputs	NTSC/RS-170 (A), PAL, CVBS and Y/C S-VIDEO R, G, B, HS, S-VIDEO
Controls	RS-232
Power	VIN 6-24 VDC, 2.5 W nominal

### AO CARD

Weight	~20grams
Dimensions	H: 2", W: 2.725", D: 0.63"
Analog video rates	800 x 600 (SVGA 56 Hz to 85 Hz)
Analog video inputs	R, G, B, HS Optional NTSC/RS-170 (A)
Controls	RS-232
Power	VIN 4.5-28 VDC, 1 W nominal

### DESIGNED TO MEET THE FOLLOWING ENVIRONMENTAL PARAMETERS

Temperature	Operating: -32°C to +55°C Storage: -32°C to +71°C
Humidity	Six 48-hour cycles, 20°C, 55°C, 95% RH
Salt fog	Four 24-hour cycles (two wet, two dry)
Vibration	Random vibration, 6 axis, 5 Hz to 2500 Hz, up to 40 gs
Immersion	Immersion in 1 meter of water for 2 hours

Glenair is a registered trademark of Glenair, Inc.

### SPECIFICATIONS SUBJECT TO CHANGE WITHOUT NOTICE.

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