

Rockwell Collins ProView™ SO35-MTV



The SO35-MTV transparent microviewer improves your lethality, survivability and combat effectiveness.

KEY APPLICATIONS

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

KEY FEATURES

- › The advanced see-through prism optic provides a wide field of view picture with minimal vision obstruction. All you see is the video!
- › Clips to standard Oakley M-Frame military approved eyewear with a fully adjustable viewing angle allowing the display to be moved above or below the line of sight to increase situational awareness
- › Lightweight optical packaging less than 50 grams
- › Left or right eye compatible
- › Extremely low power electronics with daylight and nighttime brightness control
- › See-through
- › Monochrome green SVGA

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PERFORMANCE PARAMETERS DISPLAY

Image source type	Monochrome Green AMOLED 800 (x3) pixels x 600 lines
Resolution	2.1 arcmin/color group
Luminance	0.1-35 foot - Lamberts
Contrast	>100:1

OPTICAL

Field of view	28° Horizontal x 21° Vertical (35° diagonal) SVGA resolution (800 x 600) 22° Horizontal x 17° Vertical (28° diagonal) VGA resolution (640 x 480)
Optics	Plastic aspheric lens
Exit pupil	Non-pupil forming

MECHANICAL

Mounting	Standard; clip on to military approved eyewear Left or right eye compatible (Display Module) Clip on to belt/reversible clip (Display Controller)
Weight	Display Module - 180 grams (including glasses mount) Display Controller - 380 grams

* customized HMD mounting available - call for further information

DIMENSIONS

Electronics box	H: 4.0", W: 2.8", D: 1.2"
Cable length	1.2 meters

INTERFACE

Pluggable display module	Includes 1.2m cable with water-resistant quick disconnect connector
Display controller	Glen Air quick disconnect (Test cable available separately)

ELECTRONIC INPUTS

Analog video rates	800x600 (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 Svideo RS-232
Controls	

POWER

System	VIN 6-24 VDC, 2.5 W nominal
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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 1 hour

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Rockwell Collins delivers smart communication and aviation electronics solutions to customers worldwide. Backed by a global network of service and support, we stand committed to putting technology and practical innovation to work for you whenever and wherever you need us. In this way, working together, we build trust. Every day.

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