

ProView™ PV35



Compact, versatile and lightweight high resolution full color SVGA helmet mounted displays (HMD) that are extremely rugged with low power consumption.

KEY APPLICATIONS

- › Remote viewing in field, urban, cave or mount elements
- › Display of sensor and computer generated video for full situational awareness
- › Baselined on mounted and dismounted Soldier systems including Land Warrior and TUSK

KEY FEATURES

- › Daylight and nighttime readable display device providing full lumination control
- › Eye Cup for spectral security
- › HMD on-off switch for stow
- › Qualified to MIL-STD 810
- › Includes Display Module (DM) and body worn Display Control Module (DCM) with attachment features
- › Compatible with standard analog sensor and video inputs

Now available: lower weight, lower cost, composite versions

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DISPLAY MODULE PERFORMANCE PARAMETERS

Image source type	Full-color 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 (display module), clip on to ACH helmet*
Dimensions	H: 2.2", W: 1.9", D: 1.6"
Weight	180 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
Eye relief	Eyeglass compatible, >25mm

*Customized HMD mounting available - 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: 2.8", 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: 2.8", 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

ISO 9001:2000
Registered

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 -32°C to +71°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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Rockwell Collins delivers smart communication and aviation electronic 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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