

Rockwell Collins SIM EYE SXL50 STM



The NEW SIM EYE SXL50 STM allows pilots to fully immerse themselves in a real world situation while training for tomorrow's victories.

The Rockwell Collins NEW SIM EYE SXL50 STM features monochrome SXGA resolution (1280 x 1024) and a wide field of view. Our SIM EYE HMDs incorporate proprietary technology to achieve unparalleled performance and contrast ratio. The true 1280 x 1024 resolution and wide color gamut really set the SIM EYE line apart from other display systems.

KEY APPLICATIONS

- › Provides the pilot with the ability to train with simulated sensors and weapons
- › Augmented reality

KEY FEATURES

- › Optical modules are mounted on a new and improved, ergonomically designed headband system which allows superior look-under capability and balance
- › High performance optics
- › High see-through transmission
- › Standard RGB, SXGA, VESA video interface
- › High contrast ratio

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OPTICAL

Field of view 40° (H) x 30° (V)
Overlap 100%

DISPLAY

Image source type AMLCD monochrome SXGA
Video interface DVI-I & HD15 analog video
Transmission See through > 70%
Optics VIM™ based optical systems
Brightness 20 fL
Brightness at eye 22.5 fL (max)
Eye relief 25 mm
Exit pupil 15 mm

MECHANICAL

HMD interface cable Hypertronics, quick disconnect and locking
IPD Independent left/right
IPD range 55-75 mm
Headtracker Accommodates magnetic and inertial tracker sensors
Weight 1.5 pounds

CONTROL UNIT

Video format 2 SXGA 1280 x 1024, non-interlaced
Video interface Supports standard VESA 60Hz
Sync formats Separate H/V sync
Contrast 30 to 1
Brightness control RS-232
Adjustments Fore-aft, vertical, IPD and tilt
Pixel size 15 um
Vertical rate 60 Hz
Cable length 6 feet
Connectors VGA, 15 pin DB female (video in)
Power 120 VAC, 60 Hz, or 240 VAC, 50 Hz, 25 W

OPTIONAL FEATURES

Focus Distance - xx 40"-60"
Helmet Size - y M,L,XL

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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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