

RightXpress

32 inch 4K Ultra High Definition Video Display



PRELIMINARY

The **RightXpress® 4K Ultra High Definition Video Display** is specifically designed for viewing 3840 x 2160 high speed video on an aircraft. This display is part of a system to work in conjunction with the **RightExpress 4K Ultra HD Video Server**, which delivers a 4K video source at **full 60 frames per second** over two 6G-SDI synchronized cables to produce the best quality picture possible. Using 6G-SDI copper as a medium allows the RightXpress Ultra High Definition Video Display to receive noise-free quality over a much greater distance – as much as 10x longer than HDMI2. Future release will also support a fiber option.

The **RightXpress® 4K Ultra High Definition Video Display** is designed for DO-160 and DO-178 certification, using extended temperature hardware in a ruggedized package.

RightXpress® 32 inch 4K Ultra High Definition Widescreen Video Display

Video Support

- Ultra HD 3840 x 2160 at 60 Hz
- Aspect Ratio Widescreen (16:9)
- Contrast Ratio 1000:1

Display Surface

- Anti-glare with hard coat 3H
- Aluminum rugged enclosure

Backlight

- Brightness 350 nits (cd/m²)
- LED technology

Viewing Angle

- 176° vertical/ 176° horizontal

Color Support

- 1.074 Billion color (10-bit)

Power Requirements

- 100 to 240 VAC/50 or 60Hz +/- 3 Hz/ 1.8A
- 100 Watts typical consumption in operation

Dimensions

- 29.5" wide x 17.5" high x 2.0" deep

Weight (Preliminary)

- 29.5 lbs

Temperature (DO-160)

- Operating: -15°C to +55°C
- Storage: -54°C to +85°C

Also Available: Custom Video Solutions

Our design experts have developed many custom video displays and servers for dozens of aerospace applications.

Let us customize a system for you.

For more information, contact:
Sales (773) 774-7600
sales@righthandtech.com

Your Innovative Electronics Design and Manufacturing Partner

Why Choose RightHand Technologies as your Video Electronics Provider?

- Access complete solutions, including hardware, software, mechanical engineering and manufacturing.
- Enjoy the flexibility to purchase boards in volume for manufacturing, or in smaller quantities for prototype development.
- Benefit from our engineers' extensive experience in embedded applications and video solutions.
- Extensive experience in DO-160 and DO-178 certified designs.
- Engineering AND Manufacturing both conveniently located in Chicago Illinois.



About RightHand Technologies

RightHand Technologies provides expert engineering design services, specialized manufacturing, and sophisticated full-validation functional testing for FAA certified embedded electronic systems. We have designed inflight entertainment systems (IFE), cabin management systems (CMS) and security systems for leading aviation clients.

Founded in 2002 and headquartered in Chicago IL, RightHand Technologies is focused on aerospace and military electronics, building dozens of products that require ruggedized designs and DO-160/DO-178 certification.

RightHand Technologies proven expertise is taking complex electronic system requirements from concept through design of hardware, mechanical and software, then into qualification and specialized manufacturing in order to create released products that can pass rigorous agency approvals.

RightHand Technologies
Certified in

ISO 9001:2008
and EN/JISQ/AS9100:2009

