

# ROSEN

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## AVIATION

*"Providing business and commercial aviation with premium cabin electronics"*



PRODUCT CATALOG

# WHY CHOOSE ROSEN?

As a founder of In Flight Entertainment, with over 3 decades of history rich in innovation and reliability, you can install Rosen's products with confidence. Every time. Here's why:

- Industry leading four year warranty on all our products
- Perennial OEM award winning service and support
- DO-160 SECTION 21 CAT M COMPLIANT
- Products that are the most reliable in the industry, providing enhanced aircraft value from acquisition through resale

## Slim. Smart. Stylish.

Our newest HD display stylings complement any aircraft cabin interior. Using LED backlight technology, our displays are thinner, lighter, and more energy efficient than our previous versions. Designed to interface with major HD CMS systems, these displays provide breathtaking picture quality, enhancing the passenger's experience.

Part 145 FAA Repair Station  
Part 145 EASA Repair Station  
ISO 9001:2008



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# PLUG IN DISPLAYS

Utilizing the latest LED display technology, our 9" and 12" personal displays are thinner, lighter and require less power than older display technologies. 9" model is available in HD and composite input options.

## 9" HD & Composite

Personal Plug-In Display

Series Number: 9000

Model Shown: 9000-310

Key Specifications:

- 9.04" (w) x 6.29" (h) x 1.18" (d)
- Weight – 3.5 lbs
- Backlight – LED
- Resolution – 1280 x 760
- Operating power – 28VDC
- Brightness 400 cd/m
- HD Inputs – 3G HD-SDI
- Composite inputs - NTSC
- DO-160 Section 21 Category M compliant

## 12" HD

Personal Plug-In Display

Series Number: 1200

Model Shown: 1200-337

Key Specifications:

- 12.55" (w) x 8.14" (h) x 1.51" (d)
- Weight – 4.6 lbs
- Backlight – LED
- Resolution – 1280 x 800
- Operating power – 28VDC
- Inputs – 3G HD-SDI
- DO-160 Section 21 Category M compliant



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SLIM. SMART. STYLISH.

# BULKHEAD DISPLAYS

## All-In-One Configurations

Enjoy your favorite movies with a crisp, clear picture on Rosen's LED bulkhead displays.

### 10.6" SlimLine

Series Number: 1060

Model Shown: 1060-001

#### Key Specifications:

- 10.25" (w) x 6.56" (h) x 1.09" (d)
- Weight – 2.44 lbs
- Backlight – LED
- Resolution – 1280 x 768
- Operating power – 28VDC
- Inputs – 1 3G HD-SDI, 1 VGA, 1 composite
- DO-160 Section 21 Category M compliant

### 15.6" SlimLine

Series Number: 1560

Model Shown: 1560-001

#### Key Specifications:

- 14.7" (w) x 9.13" (h) x 0.97" (d)
- Weight – 3.24 lbs
- Backlight – LED
- Resolution – 1920 x 1080
- Operating power – 28VDC
- Inputs – 1 3G HD-SDI, 1 VGA, 1 composite
- DO-160 Section 21 Category M compliant



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# BULKHEAD DISPLAYS

## All-In-One Configurations

Enjoy your favorite movies with a crisp, clear picture on Rosen's LED bulkhead displays.

### 17.5" SlimLine

Series Number: 1702

Model Shown: 1702-003

Key Specifications:

- 16.81" (w) x 10.97" (h) x 1.6" (d)
- Weight – 7.3 lbs
- Backlight – LED
- Resolution – 1280 x 768
- Operating power – 28VDC
- Inputs – 2 3G HD-SDI, 2 HDMI/DVI  
2 VGA, 2 composite  
Accepts up to 1080P
- DO-160 Section 21 Category M compliant

### 19" SlimLine

Series Number: 1900

Model Shown: 1900-003

Key Specifications:

- 18.19" (w) x 11.93" (h) x 1.65" (d)
- Weight – 8.9 lbs
- Backlight - Fluorescent
- Resolution – 1440 x 900
- Operating power – 28VDC
- Inputs – 2 3G HD-SDI, 2 HDMI/DVI  
2 VGA, 2 composite  
Accepts up to 1080P
- DO-160 Section 21 Category M compliant



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# BULKHEAD DISPLAYS

## Remote Monitor Electronics Box

Capable of driving display modules from 19" to 55" , the Remote Monitor Electronics Box does all the heavy lifting. We have moved the components that add weight, thickness and require thermal management away from the display module. This provides for the potential installations of larger displays than those that were traditionally installed on bulkheads, as well as no additional thermal management are required in the bulkhead

## Remote Monitor Electronics Box

Model Number: 0700-107

### Key Specifications:

- 11.72" (w) 1.98" (h) 7.02" (w)
- Weight 2.85 lbs
- Video Inputs – 2 3G HD-SDI,  
2 HDMI/DVI, 2 VGA, 2 Composite
- Operating power – 28VDC
- Video formats 480i/576i through 1080P



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# BULKHEAD DISPLAYS

## Smart Remote Monitor Electronics Box

Rosen's Remote Electronic Displays are now compatible with Rockwell Collins Venue and CES Cabin Management/IFE systems. Using a Smart Remote Monitor Electronic Box (SRMEB) you can now view Rockwell Collins Airshow moving map and watch movies on demand in full high-definition 1080p on Rosen's industry leading ultra-thin displays ranging in sizes from 19" to 55".

## Smart Remote Monitor Electronics Box

Model Number: 0700-150

### Key Specifications:

- 11.72" (w) 1.98" (h) 7.02" (w)
- Weight 4.0 lbs
- Video Inputs – 1 3G HD-SDI,  
1 HDMI/DVI, 1 3G HD-SDI Output
- Operating power – 28VDC
- Video formats 480i/576i through 1080P



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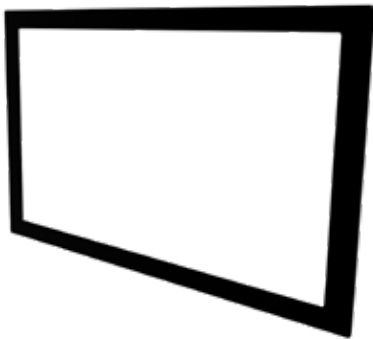
# BULKHEAD DISPLAYS

## Modular Design

Remote Display Module



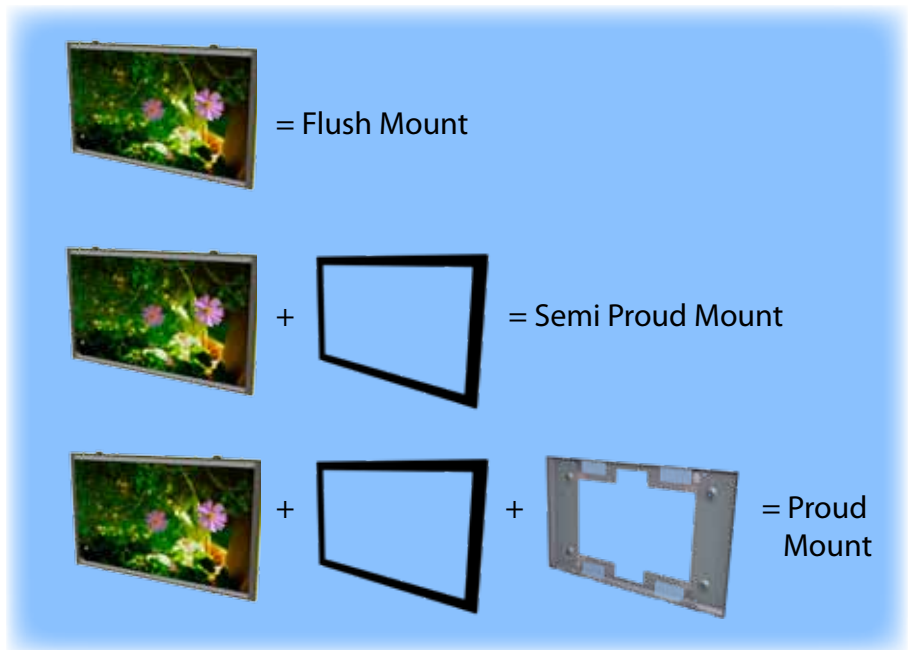
Optional Bezel Assembly



Optional Cosmetic Back Plate



By removing the electronics from the display assembly, we can offer larger displays in extremely thin and light assemblies, providing a significant increase in installation options. The remote monitor electronics box is a common part number to all remote electronic displays and can be mounted up to 50 feet from the display.



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# BULKHEAD DISPLAYS

## Modular Design



Our latest generation of HD bulkhead displays are not only thinner and lighter, but have optional decorative front bezels and cosmetic back plates to provide an entirely new range of contemporary cabin designs and installation options. These new bulkhead displays provide for three distinct mounting options - traditional "flush mount", partial flush mount (or semi-proud mount), or mounted directly on the bulkhead (proud mount). Additionally, the decorative front bezel can be custom finished to match any aircraft cabin. See mounting option pictures below.

Traditional  
Flush Mount



Semi Proud Mount  
with front bezel



Proud Mount  
with bezel and back plate



Display sizes available with remote electronics box: 19" through 55"

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# BULKHEAD DISPLAYS

## Remote Electronics

Ultra thin designs with remote electronics box that can be placed up to 50' from the display.  
Expand both your mechanical and cosmetic installation options.

### 19" SlimLine

Remote Electronics LCD

Series Number: 1901

Model Shown: 1901-100

Key Specifications:

- 17.41" (w) x 11.72" (h) x 1.07" (d)
- Weight – 7.1 lbs
- Fluorescent Backlight
- Resolution – 1440 x 900
- Optional cosmetic bezel
- Optional cosmetic back
- Accepts up to 1080P
- DO-160 Section 21 Category M compliant

### 22" SlimLine

Remote Electronics LCD

Series Number: 2201

Model Shown: 2201-100

Key Specifications:

- 20.09" (w) x 12.31" (h) x 0.9" (d)
- Weight – 8 lbs
- Backlight – LED
- Resolution – 1920 x 1080
- Optional cosmetic bezel
- Optional cosmetic back
- Accepts up to 1080P
- DO-160 Section 21 Category M compliant



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# BULKHEAD DISPLAYS

## Remote Electronics

Ultra thin designs with remote electronics assembly that can be placed up to 50' from the display.  
Expand both your mechanical and cosmetic installation options.

### 24" SlimLine

Remote Electronics LCD

Series Number: 2401

Model Shown: 2401-100

Key Specifications:

- 22.49" (w) x 13.32" (h) x 0.9" (d)
- Weight – 7.8 lbs
- Backlight – LED
- Resolution – 1920 x 1080
- Optional cosmetic bezel
- Optional cosmetic back
- Accepts up to 1080P
- DO-160 Section 21 Category M compliant

### 26" SlimLine

Remote Electronics LCD

Series Number: 2601

Model Shown: 2601-100

Key Specifications:

- 24.73" (w) x 15.04" (h) x 0.99" (d)
- Weight – 9.6 lbs
- Backlight – LED
- Resolution – 1920 x 1080
- Optional cosmetic bezel
- Optional cosmetic back
- Accepts up to 1080P
- DO-160 Section 21 Category M compliant



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# BULKHEAD DISPLAYS

## Remote Electronics

Ultra thin designs with remote electronics box that can be placed up to 50' from the display.  
Expand both your mechanical and cosmetic installation options.

### 32" SlimLine

Remote Electronics LCD

Series Number: 3201

Model Shown: 3201-100

### Key Specifications:

- 29.53" (w) x 17.75" (h) x 1.3" (d)
- Weight – 20 lbs
- Backlight LED
- Resolution – 1920 x 1080
- Optional cosmetic bezel
- Optional cosmetic back
- Accepts up to 1080P
- DO-160 Section 21 Category M compliant



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# BULKHEAD DISPLAYS

## Remote Electronics

Ultra thin designs with remote electronics box that can be placed up to 50' from the display.  
Expand both your mechanical and cosmetic installation options.

### 42" SlimLine

Remote Electronics LCD

Series Number: 4201

Model Shown: 4201-100

### Key Specifications:

- 39.08" (w) x 22.90" (h) x 1.3" (d)
- Weight – 26.5 lbs
- Backlight – LED
- Resolution – 1920 x 1080
- Optional cosmetic bezel
- Optional cosmetic back
- Accepts up to 1080P
- DO-160 Section 21 Category M compliant



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# BULKHEAD DISPLAYS

## Remote Electronics

We are pleased to announce yet another ultra thin monitor to our bulkhead product line. The 55" HD Wide-Screen LED backlit 1080P monitor will amaze you with its crisp picture and vibrant colors. This monitor as well as all our products come standard with an industry leading 4 year warranty.

### 55" SlimLine

Remote Electronics LCD

Series Number: 5501

Model Shown: 5501-100

### Key Specifications:

- 50.07 (w) x 229.43 (h) x 1.24 (d)
- Weight –57.1lbs
- Backlight – LED
- Resolution – 1920 x 1080
- Accepts up to 1080P
- Inputs into remote electronics box
- DO-160 Section 21 Category M compliant



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# BLU-RAY DVD PLAYERS

Your HD source solution – rugged slot load players with flexible mounting options and broad CMS integration capabilities.

## Single Blu-ray Player

Series Number: 0602

Model Shown: 0602-002

Key Specifications:

- 7.0" (w) x 3.0" (h) x 7.1" (d)
- Weight – 2.9 lbs
- Operating power – 28VDC
- Accepts high definition and standard definition discs as well as DVD-R, CD-DA, MP3, CD, SVCD
- Outputs - two 3G HD-SDI, one HDMI/DVI, two composite, one component
- 7.1 audio S/PDIF audio and 2 channel (stereo) with volume control
- Control via front panel, IR remote RS232, or RS485
- DO-160 Section 21 Category M compliant

## Dual Blu-ray Player

Series Number: 0602

Model Shown: 0602-200

Key Specifications:

- 7.0" (w) x 5.10" (h) x 8.03" (d)
- Weight – 5.12 lbs
- Operating power – 28VDC
- Accepts high definition and standard definition discs as well as DVD-R, CD-DA, MP3, CD, SVCD
- Outputs per player - two 3G HD-SDI, one HDMI/DVI, two composite, one component
- 7.1 audio output, fixed-level stereo, S/PDIF Digital audio output
- Resolutions – 1080P, 1080i, 720P 480P/576P
- Control via front panel, IR remote, RS232, or RS485
- DO-160 Section 21 Category M compliant



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# DISTRIBUTION PRODUCTS



## Headphone Distribution Amplifier

Series Number: 0700

Model Shown: 0700-001

Key Specifications:

- 7.7" (w) x 1.4" (h) x 5" (d)
- Weight – 0.85 lbs
- Operating power – 28VDC
- 3 stereo analog audio inputs
- 1 mono microphone input
- 8 stereo outputs

## Video Distribution Amplifier

Series Number: 0700

Model Shown: 0700-006

Key Specifications:

- 10.4" (w) x 1.9" (h) x 4.4" (d)
- Weight – 1.6 lbs
- Operating power – 28VDC
- 4 Composite inputs
- 8 Composite outputs
- 2 RGB Inputs
- 3 RGB Outputs



## Audio Control Jack

Series Number: 0700

Model Shown: 0700-003

Key Specifications:

- Complete volume control
- Accepts standard 3.5mm (1/8 in) headphone jack
- Switch between available audio sources



RUGGEDIZED AIRCRAFT AUDIO AND VIDEO DISTRIBUTION EQUIPMENT

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AVIATION

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