

ADP-361

24" Auxiliary Display Panel for Controller Working Positions



Today's Air Traffic Controllers are using more and more tools to display an ever-increasing load of information. That is why more and more visualization capabilities with respect to display size and resolution are needed. However, using multiple displays with different sizes increases the risk for HMI inconsistency. Barco's 24" ADP361 auxiliary display series is especially designed to meet these concerns.

The ADP-361 series is perfectly suited to extend the high-resolution surface of today's 2Kx2K main display panels like Barco's ISIS or ISONA, while maintaining a good optical match with the main display. Its flexibility allows both surface and resolution to be extended with over 50% per added panel. The ADP-361 can be used beside a main display (portrait mode) as well as on top of a main display (landscape mode) in order to maximize the interactive surface available to a controller in a limited console space.

Main features:

- 24" AMLCD matching the height of 2048 x 2048 main display
- Sleek bezel design
- 1200 x 1920 WXGA, 2.3 MP resolution
- Optically stabilized brightness (up to 250 cd/m², 73 fL)
- High contrast: 1000:1
- High dimming ratio > 50:1
- Long lifetime backlight: > 40,000 hours to 50% brightness
- Continuous Automatic Phase Adjustment (APA)
- Low noise and low heat design
- Selectable color temperatures to match main display in CWP
- Multiple inputs for flexible control

Technical specifications

Options	<ul style="list-style-type: none"> • USB based color sensor for color calibrations • VESA foot
Interfaces	<p>3 selectable video inputs: One DVI – two analog inputs (Automatic upscaling for typical lower resolutions) , optional second DVI Auto-sync: Separate H&V/ Ext Combined / Sync on Green Connector type: DB9 for RS232 link USB for optional tools/functions Mini Din for control purposes Ethernet RJ45 for maintenance & control purposes</p>
General	<p>Bezel: Sleek design for multiple display mounting Weight: 7 kg / 15.4 lbs MTTR: less than 0.5 hrs</p>
Controls	<p>Controls On bezel: standard 5 control keys: up, down, enter, exit, stand-by OSD: Menu Driven On-Screen Display Remote control: RS232 link (Barco Protocol) / Barco Keypad</p>
EMC / IEC	<p>Emission FCC class A vol. II part 15 subpart J Immunity EN50082-2, EN55022 limit A</p>
Approvals	<p>IEC 950, UL 1950, c-UL 950, CE 2001</p>
Optical	<p>Panel type: Active Matrix LCD (Silicon TFT) Panel diagonal: 24 inch / 61 cm Image dimensions: 518 x 324 mm / 20.4 x 12.76 inch Pixel dimensions: 0.27 x 0.27 mm Panel resolution: 1200 x 1920 pixels (WXGA) (portrait) Screen specifications: 16 million colors 256 grayscales per color Light output: stabilized up to 250 cd/m² 73 fL (at 10o to 30oC ambient) Dimming ratio > 50:1 Panel contrast ratio: typ. 1000:1 Color temperature: White point selectable between 6000 K and 10,000 K to match main displays Automatic color calibration: Via optional external calibration tool Calibration tool (USB) + software required Viewing angle: Horizontal and vertical: > +/- 89o (CR = 10)</p>
Power	<p>Power supply: External power supply box Input: 100 - 240 VAC - 2.5 A Frequency limits: 45-65Hz Power consumption: typical 95W (max. 100W)</p>
Environmental	<p>Temperature Operating: 0oC/+40oC (+32oF/+104oF) Storage: -20oC/+60oC (-4oF/+140oF) Humidity 85% max (non-condensing)@35oC (95oF) Altitude (pressure) Operating: 15,000 ft (57.16 kPa) Storage: 30,000 ft (30.13 kPa)</p>