

FDU-268



6x8 inch Flight Display Unit for business aviation

Main features:

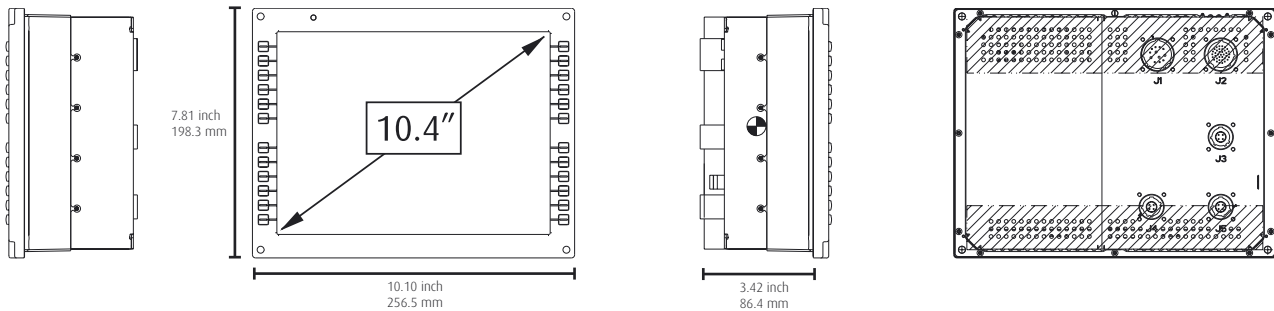
- Up to 2 DVI digital video inputs
- 24 line select keys
- Extra wide viewing angle
- Compact design and low weight
- Low power consumption
- Fully compatible with the MOSArt™ open system processing unit
- Optional dual ARINC 818
- Extensive Built-In Testing (BIT)
- ETSO/TSO C-113 certified
- DO-178B & DO-254 certified (level A)

The FDU-268 display is an all-new, state-of-the-art 6x8 inch avionics display for use aboard turboprop aircraft and light jets. Building on the innovative technology of the Barco CHDD-2000 display family, the FDU-268 is designed to integrate seamlessly into any digital Electronic Flight Instruments System. The advanced display features two separate DVI digital video inputs.

Equipped with the latest, sunlight-readable Active Matrix Liquid Crystal Displays technology, the FDU-268 provides not only the exceptionally high brightness and contrast which have become the hallmark of Barco's avionics displays, but also an excellent viewing angle of 80° in all directions. This allows the same unit to be used in portrait as well as landscape orientation.

The innovative FDU-268 display is level A DO-178B and DO-254 certified. As a consequence, it can be used as a Primary Flight Display (in combination with an external symbol generator) in almost any type of aircraft. The use of advanced electronics results in a very compact footprint and low power consumption.

Technical specifications



ELECTRO OPTICAL

Panel type:	AMLCD (Silicon TFT)
Panel active area:	158.2 x 211.1 mm / 6.23" x 8.31"
Panel resolution:	1024 x 768
Screen specifications:	262,144 colors, 64 grayscales (253 w/dithering)
White surface luminance:	150 fL / 513 cd/m ²
Contrast ratio:	>400:1 @ dark environment >10:1 @ 10,000 fC
Anti reflection:	Multilayer coating, MIL-C-14806A
Backlight:	LED backlight, full color
Viewing angle:	Horz: +/-80° Vert: +/-80°

INTERFACES

Inputs:	1 or 2 DVI digital video Dual ARINC 818 (optional)
Input/Output:	RS-422 keyboard communication

CONTROLS

Controls (front):	Brightness Up/Down rocker switch (optional)
Keys:	Special function keys, customer selectable softkeys Automatic Light Control, 1 light sensor

GENERAL DATA

Power supply:	28 Vdc
Power consumption:	45W at 100 fL (operating)
Weight:	3.2 kg / 7.05 lbs
Cooling:	Passive cooling via cold wall
Built-In Testing:	CBIT, PBIT

Software:	RTCA/DO-178B Level A
Hardware:	RTCA/DO-254 Level A

ENVIRONMENTAL

Civil version:	RTCA/DO-160E
High temperature:	+55°C / +131°F (operational) +70°C / +158°F (30 mins)
Low temperature:	-20°C / -4°F (operational)
Warm-up time:	direct start
Humidity:	Up to 95% RH, 60°C condensing
Vibration:	RTCA/DO-160E
Shock:	20 g
Altitude:	45,000 ft (operational)
MTBF (calculated):	20,000 hrs

DO-160E Env.Cat.D1VAAB[SBB3M,HR]EWFDFSZ[A,B]ARZCWMA3)33XXAC

OPTIONS

For other custom options, please contact Barco



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Technical specifications are subject to change without prior notice