

DX-700

Multi-window, versatile image processing unit for LED displays



The DX-700 is a multi-window video processor designed as a versatile front-end to a wide range of Barco LED displays. With color calibration genlocking, versatile input and output modules, support for blending, color keying and a wide variety of show effects, the DX-700 is an ideal and user-friendly choice to boost the performance of your display.

BARCO

Visibly yours

Product specifications

DX-700

Inputs

1 x Analog input (HD-15)

- All resolutions supported to a maximum rate of 240MHz (progressive or interlaced scan).
- 10-bits/color sampling

1 x 3-BNC input

- All resolutions supported to a maximum rate of 240MHz (progressive or interlaced scan).
- 10-bits/color sampling
- Supports composite NTSC/PAL/Secam, S-Video (Y/C) and Component RGB or YPbPr w/Sync-on-G (Y)
- Supports Tri-level sync

1 x DVI Digital input

- All resolutions supported to a maximum rate of 165MHz (single-link) or 240MHz (dual-link).
- Supports both RGB and YCbCr, progressive or interlaced.
- Supports single-link and dual-link
- Also used as Expansion Input port when linking units together

2 x HD/SD SDI input

- 525/60 (NTSC) and 625/50 (PAL), per SMPTE 259M
- HD 720p per SMPTE 296M, HD 1080i per SMPTE 292M
- Supports single-link and dual-link
- Dual-link HD-SDI modes supported per SMPTE 372M:
 - 1080p, 4:2:2 YCbCr, 10-bit up to 60Hz
 - 1080i or 1080p/PsF up to 30Hz with:
 - 10-bit 4:4:4 RGB or YCbCr
 - 12-bit 4:4:4 RGB or YCbCr
 - 12-bit 4:2:2 YCbCr

Outputs

Triple DVI-style connectors supporting the Barco Legacy 32MHz LED Output protocol.

- Each output can drive a different type of Barco LED product.
- Large displays can be driven by combining multiple outputs.
- 2 output cards (6 outputs) are required to output 2K x 1080 to 1080 x 2K.

Triple HDMI-style connectors supporting the Barco high-resolution NNI LED output protocol.

- Large displays can be driven by combining multiple outputs.
- The 2K x 1080 to 1080 x 2K output resolution can be achieved by combining the 3 outputs on a single NNI Output Module.

User Control

Front Panel Display

- VGA touch panel Display, Display setup wizard, Source setup wizard, Preset management menu, Source alignment menu, Display management, DX-700 management

Front Panel Buttons

- Six softkeys are used to access menus and activate functions.
- Five navigation buttons are used to navigate through menus and lists.
- Black button. This button places black on all outputs.
- Test pattern button. This button takes you directly to the Test Pattern Generator Menu.
- Presets button. This button takes you directly to the Preset Management Menu.

Remote Control

- Fully controllable over IP

Base unit

Width:

- 19" Rack

Height:

- 5RU

Input/Output Connectors

- All Input and Output connectors are located on the back.
- The connections with the system module are located on the back.
- RJ-45 connector for communication with DTS.
- Analog (HD-15) and Digital (DVI-I) monitor output connector are located on the back.
- DMX IN and DMX THROUGH connectors.
- DIAGNOSTIC RS232 connector (for system diagnostics only)

Power

- 100-240 VAC, 50-60 Hz, Auto selecting