

DP2K-20Cx

Compact projection and integrated media server package for screens up to 20m (65ft)



Fully integrated and DCI-certified

Digital cinema technology leaders Barco and Doremi bring a complete projection and integrated media server package to the digital cinema industry. In this ready-to-use and fully DCI-certified package, Doremi's Integrated Media Server (IMS) has been incorporated into Barco's projectors. The DP2K-20Cx package includes a compact Barco digital cinema projector, a 4kW lamp, a cinema-grade lens, a Doremi IMS or Doremi IMB and ShowVault media server including Screen Management Software (SMS) and storage.

Supporting High Frame Rates

Combined with the ShowVault SMS server and storage, the DP2K-20Cx system is fully equipped to decode and project standard DCI content. What's more, it supports 3D High Frame Rates (3D HFR) at high bit-rates for optimum viewing quality, which makes it future-proof.

Alternative content

With inputs such as dual DVI, dual 3G-SDI and HDMI, the DP2K-20Cx package is fully ready to play alternative content. It can also handle alternative content encoded in MPEG-2 or H.264, next to decoding 3D live broadcast streams packed with RealD Live or Sensio.

Small footprint, budget-friendly performance

Based on Texas Instruments' proven 0.98" DLP Cinema® chip, the projector in the DP2K-20Cx package ensures a first-class movie experience with consistent picture brightness, rich contrast and vibrant colors. What's more, the DP2K-20Cx comes in a budget-friendly and compact form factor.

Easy to install and operate

Barco's projection and integrated media server package has been installed, tested and certified in the factory, to offer true turnkey cinema. It is very easy to set up and operate thanks to its smart modular design and user-friendly software tools.

Low cost of ownership

All core components of the DP2K-20Cx package have been designed for easy serviceability and extended product lifetime. The modularity of the package minimizes downtime, allows for a minimum spare parts stock and speeds up technicians' learning curves, which significantly reduces cost of ownership.

Product specifications**DP2K-20CX**

General specifications	
Digital MicroMirror Device™	3 x 0.98" DC2K dark metal devices
Native resolution	2,048 x 1,080 pixels
Housing	Hermetically sealed DMDs and optical assembly
Lamp	1.2kW -4kW
Light output	18,500 lumens
Screen size	Up to 20m / 65ft wide (screen gain 1.8 @ 14ftl)
Contrast ratio	2,000:1
Digital Video Inputs	2 x DVI input both selectable as single and dual link
Integrated Media Server (IMS)	JPEG2000 2K & 4K DCI play-out High Frame Rates 3D up to 120fps (60fps per eye) JPEG 2000 bit-rates up to 500Mbps Dolby3D color-correction MPEG-2 H.264 2 x 3G-SDI inputs 1x HDMI 1.4a input (BluRay 3D / 4K) 16x AES/EBU audio channels (2x RJ45) 4x GPI, 6x GPO (2x RJ45) 2x ETH for management & ingest 3x front-accessible USB for ingest 1x eSATA port for fast ingest
SMS software (IMS)	Show player/editor/scheduler Automation, 3D, ingest TMS integration
Prime lenses	1.2 -1.8 1.4 -2.05 1.6 -2.5 1.95 -3.2 2.4 -3.9
Projector diagnostics	via Communicator control software via SNMP agent
Power requirements	220V
Projector dimensions (HxWxD)	558 x 694 x 1034 mm 22.0 x 27.3 x 40.7 inch NB: min. 5 cm of air inlet spacing required at the bottom of projector
Projector weight	102 kg (225 lbs)
Ambient temperature	35°C / 95°F Max.
Options	ACS-2048 3D add-ons Touch screen monitor Pedestal Auro 11.1 audio decoder Live 3D: RealD Live or Sensio RealD Ghostbusting

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