



DC20 *digital cinema server*

THE STRENGTH AND STABILITY of the DC20 Digital Cinema Server is matched only by its flexibility - supporting multiple playback formats and offering both digital and analog audio outputs. Featuring a FIPS certified media block, the DC20 takes security seriously and therefore meets the currently required DCI Standards.

BUILT ON HIGHLY ROBUST, PROVEN TECHNOLOGY the DC20 offers a user-friendly interface that enables easy control, content management and tight automation integration. The DC20 can be used as a standalone digital cinema player system for a single screen, or as a network player system in a multiplex configuration.

THE DC20 INTEGRATES SEAMLESSLY with the Alexandria Library Management Server and with the Datasat Theatre Management System (TMS) to provide a stable, flexible, reliable and comprehensive system. The DC20 specifically handles all functions within a cinema screen, from content ingest through to projection/screening.

PRODUCT FEATURES INCLUDE:

- 16 channel digital & 8 channel analog output
- Supports HD MPEG-2, VC1, and H.264
- RAID 10 Storage
- JPEG2000, 2D and 3D at 12-bit 4:4:4
- Multi-function web based interface

SHEER POWER.
keen prowess.



CONTENT PLAYBACK FORMATS

- JPEG2000 2k and pre-show file playback at 2k resolution on dual-link HD-SDI (12-bit 4:4:4 (XYZ, RGB))
- MPEG-2 MXF Interop movie, pre-show and alternative content file playback (4:2:0 & 4:2:2)
- VC1 4:2:0
- 3D – JPEG2000 movies and 48p playback via Dual 10-bit 422 (YPbPr / YCxCz)
- Image Resolution: 2048x1080P, HD 1080P
- Frame Rates: 23.97, 24, 25, 29.97, 30, 48, 50 fps

SECURITY

- TI's CineLink II™ Strong Link Encryption
- Thomson's NexGuard™ Forensic Watermarking
- Philips' CineFence™ Forensic Watermarking (optional)
- FIPS 140-2 Level 3 Security Certified
- 128-bit AES Encrypted Content
- Start/End Date control by 2048-bit RSA Encrypted Keys

NETWORK CONTROL INTERFACES

Gigabit Ethernet port, RJ-45 x 2

RS-232 serial control port

USB 2.0 Ports x 8

eSATA Port x 1

Keyboard & Mouse ports

1394 port

- Projectionist Control - USB Controller with Play, Pause, Stop and Menu Buttons with 40 char x 2 line LCD Status Display
- Management Interface - Multi-function web-based Interface with System Status, Transport Control, Show Builder, Scheduling,
- Content Ingest, Key Management, Log Viewer and System Setup/ Maintenance.

STORAGE (INTERNAL)

1 TB RAID 10 storage

Upgrade to 2TB available

AUDIO

- Digital
 - 16 channels, AES/EBU format, single 26-pin HD Connector with 8 x AES3 Output Pairs
- Analog
 - Balanced or unbalanced 8 channels
 - 26-pin D-sub Connector for 8-channels Analog Audio Output

GPIO

8 optically isolated inputs and 8 optically isolated outputs

VIDEO OUTPUT

- 2 x Dual-link HD-SDI (2 x SMPTE 292M), 4 x 75 ohms BNC with TI CineLink II™ encryption
- UI Monitor Output: DVI-I and HDMI connectors (monitor optional)

POWER

- Dual-redundant power supply standard
- 100-240V AC 50/60Hz, 350W

PHYSICAL DIMENSIONS

- Main Unit
 - 3U Rack Mountable Unit
 - Metric - 48.5 cm (W) x 13.8 cm (H) x 67.5 cm (D)
 - Imperial - 19" (W) x 5.5" (H) x 26.5" (D)
- Remote Panel
 - Metric - 9.5 cm (W) x 4.0 cm (H) x 14.8 cm (D)
 - Imperial - 3.8" (W) x 1.6" (H) x 5.8" (D)

OPERATING TEMPERATURE AND HUMIDITY

- 10 to 40 degrees C
- 20% to 90% RH (non-condensing)

E&OE

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DIGITAL ENTERTAINMENT