

# CineCert

306 EAST ALAMEDA AVENUE  
BURBANK, CA 91502

TEL: (818) 563-1455 FAX: (818) 563-1459

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Digital Cinema Initiatives, LLC (DCI) and CineCert, LLC.**

To:

Chairman, DCI Member Representatives Committee

Chairman, DCI Technical Committee

<b>Report Dated</b>	July 15, 2010
<b>CTP Chapter</b>	Chapter 14. Digital Cinema Projector Consolidated Test Sequence
<b>Equipment Tested</b> Manufacturer Make Model Version	Barco NV Digital Projector DP2K-20C 1.0.6 <i>(detailed version information below)</i>
<b>Report Number</b>	CC-BA-DP2K20C-07152010
<b>Result</b>	No Failures Detected

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## Version Detail:

### Barco DP2K-20C

<b>Module</b>	<b>Version</b>
<b>Exterior Label</b>	
Manufactured	Jan-2010
Model	DP2K-20C
ART. NR	R9005507
S/N:	1190044625
<b>BARCO</b>	1.0.6 *
<b>Applications</b>	
8051flash program	1.1.5
archivelog script	1.1.2
auto lamp alignment program	1.0.1
broadcast program	1.0.1
check upgrade script	1.2.3
clo program	1.3.4
do upgrade script	1.1.2
get deviceinfo script	1.0.1
get emergency-button program	1.0.1
get fanspeeds script	1.0.1
get projectortype program	1.0.1
get syslog script	1.1.2
get temperatures script	1.0.1
get versions script	1.0.1
get voltages script	1.0.1
jam program	2.3.4
main program	1.0.4
master clo program	1.0.2
readprofile program	1.0.1
restart program	1.0.1
router program	1.0.1
sent to socket program	1.1.2
snmpagent program	2.0.6
spitflash program	1.0.3
startup script	1.3.4
ti broadcast program	1.0.1
ti marriage program	1.0.1
xsvf program	5.1.7
<b>Firmware</b>	
button module	1.0.1
cinemacontroller cpld	1.2.1
cinemacontroller xilinx	1.0.2
dvi-a edid data	1.1.1
dvi-b edid data	1.1.1
fan control board	1.0.2
fan control board data	1.0.1
image media block fpga	1.0.1
lamp info module	4.2.1

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lamp power supply (0x22)	0.0.18 *
lamp power supply (0x28)	0.0.18 *
light sensor	1.0.1
router data	1.0.4
router firmware	7.10.8
<b>Other</b>	
barco versions file	1.0.6
www	1.0.3
<b>System (kernel, drivers, ...)</b>	
device driver celosia	1.0.1
device driver i2c-algo-mpc5xxx	4.2.3
device driver i2c-dev	4.0.1
device driver i2c-icecube	4.2.3
device driver mem-dev	4.0.1
device driver spi-dev	4.0.2
ftp service script	1.0.1
hostname service script	1.1.3
ip configuration task	1.0.2
ip reconfiguration task	1.0.1
kernel	2.4.25.9
main program service script	1.0.1
ramdisk service script	1.0.1
scheduler data (crontab)	1.1.3
<b>TI Formatter Subsystem</b>	
ti dmd data	0.0.9
ti firmware boot	0.0.0
ti firmware configuration fpga	1.0.24
ti firmware main	4.5.93
ti firmware satellite	3.0.229
ti sequence data	0.5.34
ti software boot	0.0.0
ti software main	4.5.128
<b>Integrated Cinema Processor (ICP)</b>	
kernel	2.6.10
operating system	0.0.0
ramdisk	0.0.0
ti firmware boot	0.0.0
ti firmware configuration fpgs	0.0.4
ti firmware main	1.1.60
ti software boot	0.0.0
ti software main	1.2.126
<b>Secure Processor Board</b>	
software main	1.6.0
<b>TI Link Decryptor</b>	
fpga firmware	2.12.12
main software	1.4.19
oem security officer list	0.1.1
ti login list	0.1.1

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<b>TI Control Application</b>	Version 1.00(93)
Enigma (Series 2) serial number:	86 09 E1 D0 0C 17 39 8C
Enigma	P1.4(19)
FPGA Firmware	2.12(12)
TI Login List	0.1(1)
OEM Security Officer List	0.1(1)
ICP (Series 2) serial number:	01 3D F2 C1 13 00 00 A7
<b>Version Info</b>	ICP 1.2 126
OS	0.00 (0)
Kernel	2.0.6 (10)
RAMDISK	0.00 (0)
ICP Boot Software	0.00 (0)
ICP Boot Firmware	0.00 (0)
ICP Main Software	1.02 (126)
ICP Main Firmware	1.01 (60)
ICP Configuration Firmware	0.00 (4)
Secure Processor Software	1.06 (0)
FMT Boot Software	0.00 (0)
FMT Boot Firmware	0.00 (0)
FMT Main Software	4.05 (128)
FMT Main Firmware	4.05 (93)
FMT Satellite Firmware	3.00 (229)
FMT Configuration Firmware	1.00 (24)
FMT Sequence File	0.05 (34)
FMT DMD File	0.00 (9)
Login List	0.1(1)
<b>Enigma Board Hardware Identification</b>	
S/N:	0939089250C
Board Assy Identification	On PCB Top: Silk screened: ENIGMA BOARD CCA 2509488-[ ] REV [ ] Silk screened: PWB 2509490-2 REV [ ] Silk screened: ESD 2509489 REV [ ] Silk screened: MSN [ (White Sticker) Silk screened: ACD# TIDL-16340-05 White sticker: B401632 REV. E MSN: 0939089250C Green sticker: SJ163908 White sticker: MAC I.D. 08:00:28:35:59:1F White sticker: Battery Date: 10/07/2009
<b>SMPTE 292/424 IN Board Hardware Identification</b>	
Board Assy Identification	On PCB Top: White sticker: 9692 016337 White sticker: R765534-08.AA Traces on PCB: R782327 E-03 White sticker: 4609 Silk screened on PCB: 4409 White sticker: REV 03  On PCB Bottom: Traces on PCB: R782327 S-03 Traces on PCB: CCTC UR 94VO E99006 TYPE 2

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<b>ICP Board Hardware Identification</b>	
S/N:	
Board Assy Identification	<p>On PCB Top:            Silk screened: INTEGRATED CINEMA PROCESSOR BOARD            Silk screened: PWB 2509275-4 REV [ ]            Silk screened: CCA 2509274- [ ] REV [ ]            Silk screened: ESD 2509273 REV [ ]            Silk screened: MSN [ ]            White sticker: B401631 REV. H MSN: 0947116400C            White sticker: MAC I.D. 08:00:28:35:69:F7            Green sticker: SJ183899            Green sticker: SJ191205            White sticker on U30: 2510302-0003            White sticker on U29: 2510303-0001            White sticker on U28: 2510305-0001            White sticker on U40: 2510304-0003</p> <p>On PCB Bottom:            Silk screened: ACD# TIDL-15845-05            Traces on PCB: Di-5M 94V-0 4209-04</p>
<b>Barco Controller Board Hardware Identification</b>	
Board Assy Identification	<p>On PCB Top:            Silk screened: R782326-03            Traces on PCB: R782326 E-03            White sticker: 9692 016443            White sticker R765533 - 12.AA            White sticker: 4709            White sticker: MAC ID 00:04:A5:01:19:7E</p> <p>On PCB Bottom:            Traces on PCB: R782326 S-03            Traces on PCB: CCTC UR 94V0 E99006 TYPE2</p> <p>Heatsink on I2300</p>
<b>PSU Supervisor Board Hardware Identification</b>	
Board Assy Identification	<p>On PCB Top:            Silk screened:R782324-2            Silk screened: 4409            Traces on PCB: R782324 E-02            White sticker: R765530-05.AA            White sticker: 9692 015470            White sticker: 4509</p> <p>On PCB Bottom:            Traces on PCB:            R782324 S-02 CCTC UR 94V0 E99006 TYPE6</p>
<b>Button Panel Board Hardware Identification</b>	
Board Assy Identification	<p>On PCB Top:            Silk screened: R782328-01            Traces on PCB: R782328 S-01 CCTC UR 94V0 E99006 TYPE6</p>
<b>Cardcage Backplane Hardware</b>	

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<b>Identification</b>	
Board Assy Identification	<p>On PCB Top: Silk screened: R782325-02 (Barco controller compartment) White sticker: R765532-06.AA White sticker: 9692 016035 White sticker: 4609</p>
<b>Projector Main PSU Hardware Identification</b>	
Board Assy Identification	<p>On PCB Top: Silk screened: R782323-1 Traces on PCB: R782323 E-01 White sticker: 1052000126 White sticker: 9560000131 White sticker: RHPSC92A-1 REV.0C R765529 Rev.3 48/09 White sticker: ROAL living energy Model C92A Factory ID 826366G c RU us</p> <p>On PCB Bottom: Silk screened: R782323-1 Traces on PCB: R782323 S-01 Traces on PCB: MS T130 94VO UR 39 09</p>
<b>Lamp PSU Hardware Identification</b>	
Module Identification	<p>White sticker: RHPS299A-3 REV.01 White sticker: 1105000050 White sticker: R765524 Rev.01 49/09 White sticker: 9560000119 White sticker: ROAL living energy SWITCHMODE POWER SUPPLY Model 299 P/N R765524 - RHSP299A Factory ID 826366G</p>
<b>Chassis Identification</b>	
Identification	<p>Light Engine Compartment: White sticker: BME DP2K-20C 3D 30C065538 R9005507 1190044625 White sticker: 1650V TEST OK EARTHING TEST OK C.A. Assembly White sticker: 314499 Yellow warning sticker: R856960</p> <p>Lamp PSU Compartment: White sticker: White sticker: BME DP2K-20C 3D 30C065538 R9005507 1190044625</p> <p>Mirror Housing: White sticker:</p> <p>Backplane PCB Compartment: White sticker: FRMC DP2000 S2 ELCA+CATHO 30C065900 R863246 1110174266 White sticker: 6484</p> <p>Lens Mount: White sticker: DP1200 MOT 72</p>

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	Lamphouse Vent: White sticker: 302108
<b>Lamp House Hardware Identification</b>	
Identification	White sticker: FRMC DP2000 S2 LMP HOUSE+ 30C065754 R8552620 1110174302
<b>Light Engine Hardware Identification</b>	
Module Identification	<p>White sticker: FRMC DP2000 3D S2 ENG+LP+ 30C065723 R8624161 1110174521</p> <p>White sticker: 6491</p> <p>White sticker (Dowser): 19</p> <p>White sticker (black plate below dowser): 3052</p> <p>White sticker (black plate below dowser): 9002 1110174355 DP2000 S2</p> <p>White sticker (black plate below dowser): 6477</p> <p>White sticker (Integrator): DP0092 Assy.2 OTK64</p> <p>White sticker (Integrator cover plate): R862406-Rev08</p> <p>White sticker (Integrator output): R862404 FRMC DP2000 S2 LP 1110175099</p> <p>White sticker (Integrator output): 250661</p> <p>White sticker: 4609</p> <p>Red formatter: Silk screened: 78124-5</p> <p>White sticker: 9CZ8WEA 030607E 9692015782 05</p> <p>White sticker: 9692 015782</p> <p>Green formatter: Silk screened: 782044-6</p> <p>White sticker: 9CZ8WDA 030103E 9692018008 05</p> <p>Blue formatter: Silk screened: 782044-6</p> <p>White sticker: R7651516-05</p> <p>White sticker: BFT</p> <p>White sticker: 9BZ69TA 050605E 9692010159 05</p> <p>White sticker: 9692 010159</p>

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## TI Components

### Enigma Module:

<b>Enigma Hardware Module Identification:</b>	
S/N:	0919044550C
PCB Labeling:	Silk screened on PCB: ENIGMA BOARD CCA 2509488-[ ] REV [ ] PWB 2509490-2 REV [ ] ESD 2509489 REV [ ] MSN [ (White Sticker) ACD# TIDL-16340-05 White sticker: 2509488-0002 REV. A MSN: 0919044550C Green sticker: SJ121605
<b>Enigma Software Version Identification:</b>	
S/N - Enigma (Series 2)	Control Program 1.00(93) 86 09 E1 D0 0C 13 0E 83
Enigma	P1.4(19)
FPGA Firmware	2.12(12)
TI Login List	Enigma CSP 0.1(3)
OEM Security Officer List	Enigma CSP 0.1(3)

### ICP Module:

<b>ICP Hardware Module Identification:</b>	
S/N	0927058500C
PCB Labeling:	Silk screened on PCB top: INTEGRATED CINEMA PROCESSOR BOARD PWB 2509275-4 REV [ ] CCA 2509274- [ ] REV [ ] ESD 2509273 REV [ ] MSN [ ] White sticker: 2509274-0004 REV. D MSN: 0927058500C Green sticker: SJ129323 Silk screened on PCB bottom: ACD# TIDL-15845-05 White sticker on U30: 2510302-0002 White sticker on U29: 2510303-0001 White sticker on U28: 2510305-0001 White sticker on U40: 2510304-0002
<b>ICP Software Version Identification:</b>	
S/N - ICP (Series 2)	Control Program 1.00(93) 01 00 C1 C7 13 00 00 C3
<b>ICP Release</b>	ICP 1.2. 126



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OS	0.00 (0)
Kernel	2.06 (10)
RamDISK	0.00 (0)
ICP Boot Software	0.00 (0)
ICP Boot Firmware	0.00 (0)
ICP Main Software	1.02 (126)
ICP Main Firmware	1.01 (60)
ICP Configuration Firmware	0.00 (4)
Secure Processor Software	1.06 (0)
FMT Boot Software	0.00 (0)
FMT Boot Firmware	0.00 (0)
FMT Main Software	4.05 (128)
FMT Main Firmware	4.05 (93)
FMT Satellite Firmware	0.00 (0)
FMT Configuration Firmware	1.00 (24)
FMT Sequence File	0.05 (34)
FMT DMD File	0.00 (9)
Login List	Default Login List

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To: Chairman, DCI Member Representatives Committee  
Contracted DCI Licensed Test Entity

<b>From:</b> <b>Manufacturer</b>	Barco NV
<b>Testament</b> <b>Submission Date</b>	27 May 2011
<b>Equipment Tested</b> <b>(Family Item 0)</b> Make Model Version	Digital Projector DP2K-20C 1.0.6
<b>Family Item 1</b> Make Model Version	Digital Projector DP2K-18Cx 1.0.6
<b>Printed Name</b>	Rombaut Ignace
<b>Job Title</b>	R&D Director Digital Cinema