

AEGISOLVE, INC.
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Notice pursuant to Section 2.3.2 of the RESTATED AND AMENDED TESTING AUTHORIZATION AND TEST SUITE LICENSING AGREEMENT made as of January 1, 2017 by and between Digital Cinema Initiatives, LLC (DCI) and AEGISOLVE, INC.

To:
Chairman, DCI Member Representatives Committee
Chairman, DCI Technical Committee

Reporting date	March 23 rd , 2023
Name of Testing Organization	AEGISOLVE, INC.
Address of Testing Organization	415 Fairchild Dr. Mountain View, California 94043 USA
Name of Test Operator	Travis Spann
Name of Test Subject Representative	CtrlMovie AG
Address of Test Subject Representative	Kantonsstrasse 3 6246 Altishofen Switzerland
Make and model of Test Subject	
Manufacturer	CtrlMovie AG
Make	Integrated Media Block
Model	Cinema DCI
Version	<i>(detailed version information below)</i>
Certificated Devices	
Manufacturer	CtrlMovie AG
Make	Integrated Media Block
Model	Cinema DCI
Serial Number	002019
Version	<i>(detailed version information below)</i>
Manufacturer	CtrlMovie AG

Make	SMS
Model	CtrlMovie SMS
Serial Number	SMS.V1.002019
Version	<i>(detailed version information below)</i>
Manufacturer	Sharp NEC Display Solutions, Ltd.
Make	Digital Cinema Projector
Model	NP-42HD
Serial Number	0ZA0002CQ
Version	<i>(detailed version information below)</i>
Test procedure performed	Chapter 15: Projector w/IMB (Proj + IMB + SMS) Excluded Feature: Projector Overlay
Test status	No Failures Detected
IMB or IMBO is MMB capable	N/A
SMS is MMB capable	N/A

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		System #1
NP-42HD		
Firmware/Software revisions and details:		
Product name		NP-42HD
Serial Number		0ZA0002CQ
SLAVE Board		Rev.5
LD Interface Board		Rev.1
LD Driver Board		
1		ADC-345AJ CB(Rev.2)/HV
2		ADC-465AJ CA(Rev.2)/HV
3		ADC-465AJ CA(Rev.2)/HV
4		ADC-465AJ CA(Rev.2)/HV
5		ADC-345AJ CB(Rev.2)/HV
6		ADC-465AJ CA(Rev.2)/HV
7		ADC-465AJ CA(Rev.2)/HV
8		ADC-465AJ CA(Rev.2)/HV
Light Unit		NP-24LU03/0ZA0002CQ
SMS Server - Physical Identification		
White Sticker - HDD (Bay 1)		Hermes • System
White Sticker - HDD (Bay 3)		Hermes • Data #1
White Sticker - HDD (Bay 4)		Hermes • Data #2
SMS Server - Software Identification		
Host Hardware		
system		ProLiant MicroServer Gen10 Plus (P16005-421)
bus		ProLiant MicroServer Gen10 Plus
memory		64KiB BIOS
memory		32GiB System Memory
memory		16GiB DIMM DDR4 Synchronous Unbuffered (Unregistered) 2666 MHz (0,4 ns)
memory		16GiB DIMM DDR4 Synchronous Unbuffered (Unregistered) 2666 MHz (0,4 ns)
memory		128KiB L1 cache
memory		512KiB L2 cache
memory		4MiB L3 cache
processor		Intel(R) Pentium(R) Gold G5420 CPU @ 3.80GHz
bridge		Intel Corporation
bridge		Xeon E3-1200 v5/E3-1500 v5/6th Gen Core Processor PCIe Controller (x16)

generic			Cannon Lake PCH Thermal Controller
bus			Cannon Lake PCH USB 3.1 xHCI Host Controller
bus			xHCI Host Controller
input			2.4G Keyboard Mouse
bus			Hub
bus			xHCI Host Controller
storage			DataTraveler 3.0
memory			RAM memory
communication			Cannon Lake PCH HECI Controller
communication			Cannon Lake PCH HECI Controller #2
storage			Cannon Lake PCH SATA AHCI Controller
bridge			Cannon Lake PCH PCI Express Root Port #21
bridge			Cannon Lake PCH PCI Express Root Port #1
network			I350 Gigabit Network Connection
network			I350 Gigabit Network Connection
network			I350 Gigabit Network Connection
network			I350 Gigabit Network Connection
bridge			Cannon Lake PCH PCI Express Root Port #9
generic			Integrated Lights-Out Standard Slave Instrumentation & System Support
display			MGA G200eH3
generic			Integrated Lights-Out Standard Management Processor Support and Messaging
bus			iLO5 Virtual USB Controller
bus			EHCI Host Controller
bridge			Cannon Lake PCH PCI Express Root Port #10
bridge			Cannon Lake PCH PCI Express Root Port #11
bridge			Cannon Lake PCH PCI Express Root Port #12
bridge			Intel Corporation
bus			Cannon Lake PCH SPI Controller
system			PnP device PNP0b00
system			PnP device PNP0c02
communication			PnP device PNP0501
storage			
disk			1TB Samsung SSD 860
volume			511MiB Windows FAT volume
volume			931GiB EXT4 volume
storage			
disk			1TB Samsung SSD 870
volume			931GiB EFI partition
storage			
disk			1TB Samsung SSD 870

volume		931GiB EFI partition
storage		
disk		DataTraveler 3.0
disk		
power		Power Supply 1
Host OS		Linux bravo002 5.11.0-38-generic #42~20.04.1-Ubuntu SMP Tue Sep 28 20:41:07 UTC 2021 x86_64 GNU/Linux
Host App. (VirtualBox)		6.1.26_Ubuntur145957
Host App. (Hermes SMS Client)		1.0.9-dirty
Guest OS (VirtualBox VM)		Linux virtual 3.2.30 #1 SMP Fri Aug 6 19:51:17 CEST 2021 x86_64 GNU/Linux
aufs-util		3.9+gitAUTOINC+f29056fe396d56fc2a06a963 12feabaebbe14c59-r0
avahi-autoipd		0.6.31-r5.0
avahi-daemon		0.6.31-r5.0
base-files		3.0.14-r76
base-passwd		3.5.24-r0
bash		4.2-r4
busybox		1.20.2-r4
busybox-syslog		1.20.2-r4
busybox-udhcpc		1.20.2-r4
ca-certificates		20130610-r0
cifs-utils		5.6-r4
coreutils		8.14-r5
curlftpfs		0.9.2-r0
dbus-1		1.6.4-r3.0
dbus-systemd		1.6.4-r3.0
dropbear		2012.55-r0.1
e2fsprogs-e2fsck		1.42.1-r1
e2fsprogs-mke2fs		1.42.1-r1
e2fsprogs-tune2fs		1.42.1-r1
eglibc-binary-localedata-de-de		2.16-r22
eglibc-binary-localedata-en-us		2.16-r22
fuse-utils		2.9.3-r0
glibmm		2.36.2-r0
hermes-contentfileparser		1:12.0.107.19867-r0
hermes-jnior		1:12.0.107.19867-r0
hermes-jobencoder		1.0.4-r0

hermes-scheduler		1:12.0.107.19867-r0
hermes-server		1.0.4-r0
iptables		1.4.15-r1
kernel-3.2.30		3.2.30-r11
kernel-image-3.2.30		3.2.30-r11
kernel-module-async-memcpy		3.2.30-r11
kernel-module-async-pq		3.2.30-r11
kernel-module-async-raid6-recov		3.2.30-r11
kernel-module-async-tx		3.2.30-r11
kernel-module-async-xor		3.2.30-r11
kernel-module-aufs		3.2.30-r11
kernel-module-auth-rpcgss		3.2.30-r11
kernel-module-cifs		3.2.30-r11
kernel-module-crc16		3.2.30-r11
kernel-module-ext4		3.2.30-r11
kernel-module-fat		3.2.30-r11
kernel-module-fuse		3.2.30-r11
kernel-module-ip-tables		3.2.30-r11
kernel-module-ipt-masquerade		3.2.30-r11
kernel-module-iptables-filter		3.2.30-r11
kernel-module-iptables-nat		3.2.30-r11
kernel-module-jbd2		3.2.30-r11
kernel-module-lockd		3.2.30-r11
kernel-module-md-mod		3.2.30-r11
kernel-module-nf-contrack		3.2.30-r11
kernel-module-nf-contrack-ipv4		3.2.30-r11
kernel-module-nf-defrag-ipv4		3.2.30-r11
kernel-module-nf-nat		3.2.30-r11
kernel-module-nfs		3.2.30-r11
kernel-module-nfs-acl		3.2.30-r11
kernel-module-ntfs		3.2.30-r11
kernel-module-raid0		3.2.30-r11
kernel-module-raid1		3.2.30-r11
kernel-module-raid10		3.2.30-r11
kernel-module-raid456		3.2.30-r11
kernel-module-raid6-pq		3.2.30-r11
kernel-module-sunrpc		3.2.30-r11
kernel-module-vfat		3.2.30-r11
kernel-module-x-tables		3.2.30-r11
kernel-module-xor		3.2.30-r11
kernel-module-xt-tcpudp		3.2.30-r11
kmod		9-r0.0
less		444-r3

libacl1		2.2.51-r3
libaio1		0.3.109-r1
libassuan0		2.0.3-r0
libattr1		2.4.46-r4
libavahi-common3		0.6.31-r5.0
libavahi-core7		0.6.31-r5.0
libblkid1		2.21.2-r1
libc6		2.16-r6+svnr19922
libcap2		2.22-r3
libcom-err2		1.42.1-r1
libcrypto1.0.0		1.0.0j-r15.3
libcurl4		7.35.0-r0
libdaemon0		0.14-r0
libdbus-1-3		1.6.4-r3.0
libe2p2		1.42.1-r1
libexpat1		2.1.0-r0
libext2fs2		1.42.1-r1
libffi5		3.0.10-r0
libfuse2		2.9.3-r0
libgcc1		4.7.1.0+gitAUTOINC+d07e24f4ab59f264d68d 21838795349faab5dede-r11
libgcrypt11		1.5.0-r1
libglib-2.0-0		1:2.36.2-r0
libgmp10		5.0.5-r0
libgnutls26		2.12.20-r8.3
libgpg-error0		1.10-r2
libgpgme11		1.3.2-r1
libcudata50		50.1.2-r0
libcucuc50		50.1.2-r0
libkmod2		9-r0.0
liblzma5		5.1.2alpha-r0
libmvc2api12		1:12.0.107.19867-r0
libmysqlclient-r16		5.1.67-r0
libmysqlclient16		5.1.67-r0
libmysqld0		5.1.67-r0
libncursesw5		5.9-r10.1
libnss-mdns		0.10-r5
libopkg1		1:0.1.8+svnr633-r10.3
libreadline6		6.2-r3
libsigt-2.0-0		2.2.11-r0
libssl1.0.0		1.0.0j-r15.3
libstdc++6		4.7.1.0+gitAUTOINC+d07e24f4ab59f264d68d 21838795349faab5dede-r11

libsystemd-daemon0		v196-105-gdec634-r18
libsystemd-journal0		v196-105-gdec634-r18
libtasn1-3		2.13-r0
libtinfo5		5.9-r10.1
libudev1		v196-105-gdec634-r18
libuuid1		2.21.2-r1
libxml++-2.6-2		2.35.3-r1
libxml2		2.8.0-r2
libxslt		1.1.26-r8
libyaml-0-2		0.1.4-r1
libz1		1.2.7-r0
locale-base-de-de		2.16-r22
locale-base-en-us		2.16-r22
mariadb		5.1.67-r0
mariadb-client		5.1.67-r0
mariadb-server		5.1.67-r0
mdadm		3.2.5-r4
mikrom-feeds		1.1-r3
modutils-initscripts		1.0-r6
mvc20x-mvc2control		1:12.0.107.19867-r0
mvc20x-mvc2play		1:12.0.107.19867-r0
mvc20x-mvc2smttool		1:12.0.107.19867-r0
mvc20x-mvc2update		1:12.0.107.19867-r0
ncurses-terminfo-base		5.9-r10.1
netbase		5.0-r5
nfs-utils-client		1.2.3-r4
ntp		4.2.6p5-r11.1
ntp-tickadj		4.2.6p5-r11.1
ntp-utils		4.2.6p5-r11.1
ntp-wait		4.2.6p5-r11.1
opkg		1:0.1.8+svnr633-r10.3
opkg-config-base		1.0-r1
redis		2.6.9-r2
ruby		1.9.3-p429-r2.0
rubygem-actionmailer		3.2.11-r0
rubygem-actionpack		3.2.11-r0
rubygem-activemodel		3.2.11-r0
rubygem-activerecord		3.2.11-r0
rubygem-activeresource		3.2.11-r0
rubygem-activesupport		3.2.11-r0
rubygem-arel		3.0.2-r0
rubygem-bcrypt-ruby		3.0.1-r0
rubygem-builder		3.0.4-r0

rubygem-bundler		1.2.3-r0
rubygem-cancan		1.6.9-r0
rubygem-daemons		1.1.9-r0
rubygem-devise		2.2.3-r0
rubygem-erubis		2.7.0-r0
rubygem-eventmachine		1.0.0-r0
rubygem-hike		1.2.1-r0
rubygem-hiredis		0.4.5-r0
rubygem-htmlentities		4.3.1-r0
rubygem-i18n		0.6.1-r0
rubygem-journey		1.0.4-r0
rubygem-json		1.7.6-r0
rubygem-kgio		2.8.0-r0
rubygem-log4r		1.1.10-r0
rubygem-mail		2.4.4-r0
rubygem-mime-types		1.20.1-r0
rubygem-multi-json		1.5.0-r0
rubygem-mysql2		0.3.11-r0
rubygem-nokogiri		1.5.6-r0
rubygem-open4		1.3.0-r0
rubygem-orm-adapter		0.4.0-r0
rubygem-perftools.rb		2.0.0-r0
rubygem-polyglot		0.3.3-r0
rubygem-rack		1.4.4-r0
rubygem-rack-cache		1.2-r0
rubygem-rack-perftools-profiler		0.6.0-r0
rubygem-rack-ssl		1.3.3-r0
rubygem-rack-test		0.6.2-r0
rubygem-rails		3.2.11-r0
rubygem-rails-i18n		3.0.1-r0
rubygem-railties		3.2.11-r1
rubygem-raindrops		0.10.0-r0
rubygem-rake		10.0.3-r0
rubygem-rdoc		3.12.1-r0
rubygem-redis		3.0.2-r0
rubygem-redis-namespace		1.2.1-r0
rubygem-sprockets		2.2.2-r0
rubygem-thin		1.5.0-r0
rubygem-thor		0.17.0-r0
rubygem-tilt		1.3.3-r0
rubygem-treetop		1.4.12-r0
rubygem-tzinfo		0.3.35-r0
rubygem-unicorn		4.6.0-r0

rubygem-uuidtools		2.1.3-r0
rubygem-warden		1.2.1-r0
run-postinsts		1.0-r8
shadow		4.1.4.3-r12
shadow-securetty		4.1.4.3-r1
smartmontools		5.43-r0
systemd		v196-105-gdec634-r18
systemd-compat-units		1.0-r20
sysvinit-pidof		2.88dsf-r7
task-core-boot		1.0-r9
tinylogin		1.4-r9
tzdata		2014f-r0
udev		v196-105-gdec634-r18
udev-systemd		v196-105-gdec634-r18
udev-utils		v196-105-gdec634-r18
update-alternatives-cworth		1:0.1.8+svnr633-r10.3
update-modules		1.0-r13
update-rc.d		0.7-r4
util-linux		2.21.2-r1
util-linux-agetty		2.21.2-r1
util-linux-blkid		2.21.2-r1
util-linux-cfdisk		2.21.2-r1
util-linux-fdisk		2.21.2-r1
util-linux-fsck		2.21.2-r1
util-linux-losetup		2.21.2-r1
util-linux-mkfs		2.21.2-r1
util-linux-mount		2.21.2-r1
util-linux-sfdisk		2.21.2-r1
util-linux-swaponoff		2.21.2-r1
util-linux-umount		2.21.2-r1
xerces-c		3.1.1-r0
Guest App. (Hermes SMS Server)		1.0.4
Image Media Block - Physical Identification		
Main Module		
PCB Traces		MikroM GmbH, IMB-G3 FLORA V1.1
White Sticker		PN: 2250, SN: 001569
Daughterboard		
PCB Traces		Ka-Ro electronics GmbH, www.KARO-electronics.com, TK71 v2

White Sticker		TK71-1220, 00-0C-C6-80-CE-AC
SMS Server Guest App. (mvc2control getUID)		
MVC201 [PCB V2.0]		
UID		2250.001569
API version		12.0.107.19867
driver version		1.21.15.19544
firmware version		1.99.3.20361
bootloader version		1.3.7.18217
IPServer version		12.0.8.20242
SMS Server Guest App. (mvc2control listFeatures)		
MANUFACTURER		MIKROM
PRODUCT		MVC201
OEM_MANUFACTURER		CtrlMovie
OEM_PRODUCT		Cinema DCI
ASSEMBLY		MP1
PROJECTOR_INTERFACE		ON
IMBVIDEO_OUT		ON
CERTIFICATE_O		ctrlmovie.com
CERTIFICATE_OU		cdci.ctrlmovie.com
CERTIFICATE_CN		CtrlMovie.CDCI-%u.v%v
HDSDI_OUT		ON
HFRMUX		ON
SM_NO_TAMPER		ON
SM_NO_MARRIAGE		ON
FPGA_UID		001045233e9c2880
NP-42HD NEC Digital Cinema Communicator DCC V2 5.1.0.118 Reported Versions		
Projector Information		
System		NP-42HD
Serial		0ZA0002CQ
Network		
IP Address		192.168.10.10 / 255.255.255.0
MAC Address		6C-E4-DA-FF-FC-C1
Gateway		192.168.10.10
Satellite		
Red		4K HSS

Green		4K HSS
Blue		4K HSS
DMD		0.98" DC4K (HSS)
Version		
FMT		
MAIN CPU		
Main Software		0.09.046
Data		0.160
Login Manager		0.00 (9)
U-Boot		Oct 01 2020 17:46:00
Kernel		Oct 1 2020 rfs1.0.4
RFS		0.330
Secure Processor		
Main Firmware		27
ESN		56 00 10 00 1D 53 57 63
dnQualifier		PLc7bhzaTBwCgOX/s4ZE9TVU+6k=
FMT FPGA		
ICP Software		4.02 (623)
Satellite Interface		5.17 (631)
FPGA		1.00 (171)
U-Boot		1.00 (0)
Kernel		3.17 (11)
RFS		3.04 (105)
ICP Config File		0.80
Slave CPU		
Slave BIOS		0.04.006
Slave Firmware		0.14.040
FSB		
FPGA		
R		1.00 (657)
G		1.00 (657)
B		1.00 (657)
Satellite Software		
R		0.00 (0)
G		0.00 (0)
B		0.00 (0)
Satellite Sequence		
R		0.01 (1)
G		0.01 (1)
B		0.01 (1)
SLAVE		
Opt-MCU Firmware		ME07
Keypad-MCU Firmware		02.13

Laser Interface			
LU Firmware			7
LD Driver			
1			27
2			27
3			27
4			27
5			27
6			27
7			27
8			27
Lens Mount			
Lens Firmware			NEC_ANG_PS_E22
ROUTER			
Firmware			1.0.1 (BR-CP1400N)
External Labels and Identifiers			
NP-42HD			
Hardware Identification			
White Barcode Label			0ZA0002CQ
NP-60LS12Z2			
Hardware Identification			
White Barcode Label			A0VX530A00002
NP-24LU03			
Hardware Identification			
White Barcode Label			0ZA0002CQ
BACKLIGHT B BD			
Hardware Identification			
PWB Silkscreen			BACKLIGHT B BD, 2973066301
FIP UNIT			
Hardware Identification			
White Label			FIP UNIT
White Barcode Label			01154113 0ZA0002CQ
FMT-PWB			
Hardware Identification			
PWB Silkscreen			FORMATTER PWB, PWC-4913
White Label			NEC FMT-PWB 560010001D535763

FPGA BD (B) Hardware Identification			
PWB Silkscreen			FPGA BD
White Barcode Label			IHZA196205356880050
FPGA BD (G) Hardware Identification			
PWB Silkscreen			FPGA BD
White Barcode Label			IHZA196205356880055
FPGA BD (R) Hardware Identification			
PWB Silkscreen			FPGA BD
White Barcode Label			IHZA196205356880017
INTERLOCK BD Hardware Identification			
PWB Silkscreen			INTERLOCK BD
White Barcode Label			TURA195208562620074
KEY PAD BD Hardware Identification			
PWB Silkscreen			KEY PAD BD
White Barcode Label			IHQA196205302400010
LASER IF A BD Hardware Identification			
PWB Silkscreen			LASER IF A BD
White Barcode Label			TUTA195208565500048
Laser Key Hardware Identification			
PWB Silkscreen			SWITCH BD, 2973125300
LCD Hardware Identification			
PWB Silkscreen			CMS2N0487-A1-E
LD DRIVER UNIT 1 Hardware Identification			
White Label			LD DRIVER UNIT 1, LD10002
LD DRIVER UNIT 2 Hardware Identification			
White Label			LD DRIVER UNIT 2, LD20002

MOTHER PWB Hardware Identification		
PWB Silkscreen		MOTHER PWB, PWC-4914
MOTOR BD Hardware Identification		
PWB Silkscreen		MOTOR BD
White Barcode Label		IHHAQ18320046400003
POWER SUPPLY UNIT Hardware Identification		
White Label		POWER SUPPLY UNIT, PS0002
QUICKRELEASE PJH BD Hardware Identification		
PWB Silkscreen		QUICK RELEASE PJH BD
White Barcode Label		TUQA195208563210017
ROUTER Hardware Identification		
PWB Silkscreen		BR-CP1400N
White Barcode Label		S/N 205023944
SLAVE UC BD Hardware Identification		
PWB Silkscreen		SLAVE UC BD
Barcode Label Print		IHGA196205506190009
TEC CONTROL BD Hardware Identification		
PWB Silkscreen		TEC CONTROL BD
White Barcode Label		TROA195208299330022
Optical Filter Configuration		
White Label		Marumi Optical Co., Ltd. ND4 (174mm x 174mm; thickness 2.0)
Optical Filter Stand		
White Label		First Corporation, PHX-13