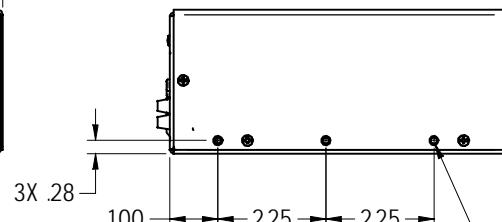
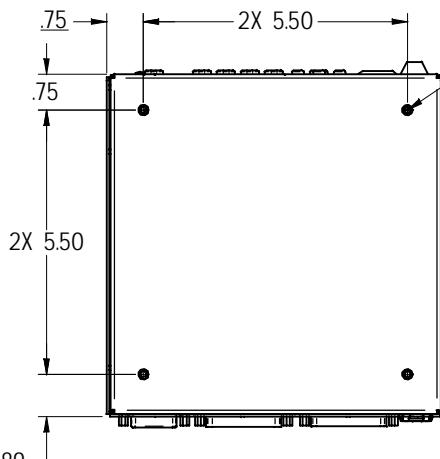
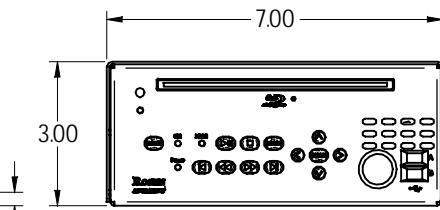
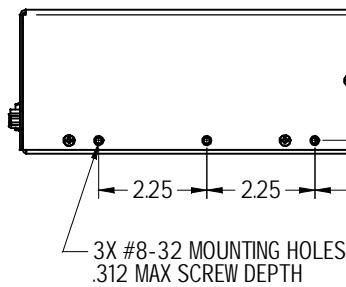
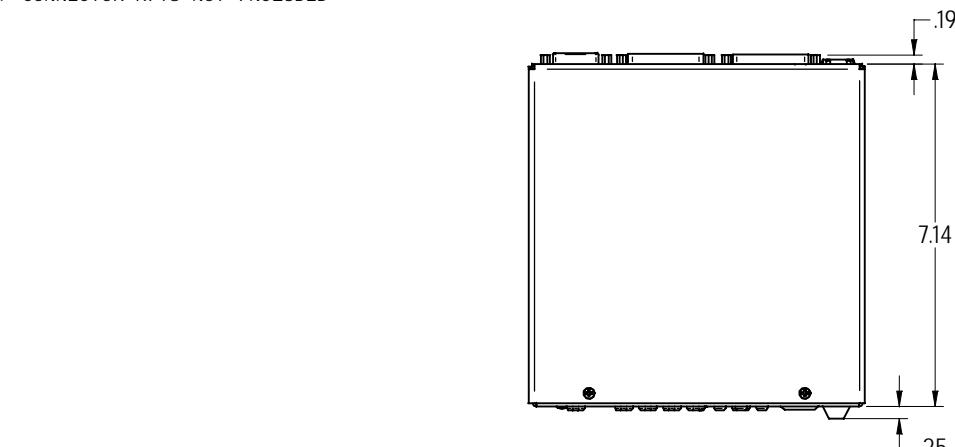


NOTES: (unless otherwise specified)

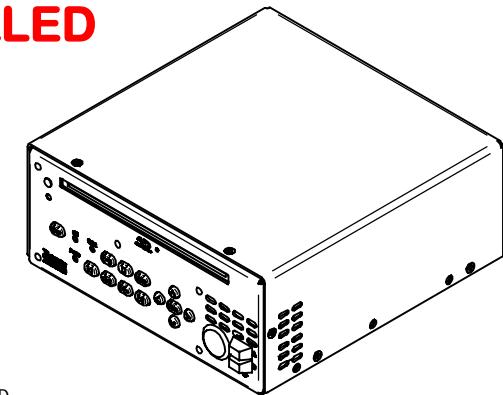
- ASSEMBLY WEIGHT: 2.9 LBS ±10%
- DO NOT PLUG OR UNPLUG PLAYER WHEN POWER IS APPLIED
- MAINTAIN 1/2" MIN CLEARANCE TO FRONT AND REAR OF PLAYER FOR VENTILATION
- CARE MUST BE TAKEN TO PREVENT DEBRIS FROM ENTERING VENT HOLES DURING INSTALLATION AND OPERATION
- CONNECTOR KITS NOT INCLUDED



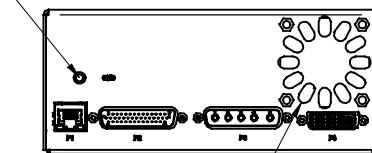
REVISIONS

ZONE	REV	DESCRIPTION	DATE	BY	CHG NO	APRV
	A	UPDATED PERFORMANCE SPEC, ADDED MISSING DIMENSIONS	06/04/12	MCS	12-0310	
	B	UPDATE INRUSH CURRENT BASED UPON NEW DO-160G TEST METHOD	11/17/15	LJR	15-0298 BEF	
	C	UPDATED FOR ANALOG SUNSET	03/03/16	BEF	16-0057 SC	

ELECTRONIC REVISION CONTROLLED



#10-32 CHASSIS GROUND
.375 MAX SCREW DEPTH



DO NOT BLOCK
VENT HOLES

3X #8-32 MOUNTING HOLES
.312 MAX SCREW DEPTH

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ROSEN
AVIATION

1020 OWEN LOOP SOUTH
EUGENE, OREGON 97402
TEL: (541) 342-3802 FAX: (541) 342-4912

APPROVALS	INITIAL	DATE
DRAWN BY	MCS	04/12/12
CHECKER	SC	05/31/12
ENGINEER	MCS	06/01/12
DWG NO	0602-002-CD	
SIZE	A	REV C
SCALE	1:4	SHEET 1 OF 2

UNLESS OTHERWISE
SPECIFIED, DIMENSIONS
ARE IN INCHES

X = ± .100
XX = ± .03
Z = ± 5.0°
RADI I = ± .020

INTERPRET DIM AND TOL PER
ASME Y14.5M - 1994

TITLE
OUTLINE & INSTALLATION DRAWING,
BLU-RAY DVD PLAYER, W/ SDI

FIRST CALLED FOR: (FCF)

REFER TO www.rosenaviation.com FOR THE LATEST REVISION INFORMATION.

Main Interface Connector

Connector Type: DB44 HD Male
Rosen Connector Kit: 0300-038

Pin #	Function	Pin #	Function
1	28V DC Return	23	Volume-Controlled Front Audio Return
2	IR+5V Out*	24	Volume-Controlled Surround Audio Return
3	RS485 +	25	Fixed-Level Left Audio Return
4	RS485 +	26	Fixed-Level Right Audio Return
5	GND (RS485 Return)	27	Volume-Controlled Center/Bass Audio Return
6	NC	28	Volume-Controlled Rear Audio Return
7	NC	29	Pilot Override
8	Volume-Controlled Left Front Audio (line-level)	30	NC
9	Volume-Controlled Left Surround Audio (line-level)	31	28V DC Return
10	Fixed-Level Left Audio (line-level)***	32	External IR In **
11	Volume-Controlled Center Audio (line-level)	33	RS232-TX Control
12	Volume-Controlled Left Rear Audio (line-level)	34	RS232-RX Control
13	GND (RS485 Return)	35	GND (RS232 Return)
14	Discrete Relay Output ***	36	NC
15	GND (External +5Vdc Return)	37	NC
16	+28V DC In	38	Volume-Controlled Right Front Audio (line-level)
17	+28V DC In	39	Volume-Controlled Right Surround Audio (line-level)
18	External +5 VDC Out	40	Fixed-Level Right Audio (line-level)****
19	RS485 -	41	Volume-Controlled Bass Subwoofer Audio (line-level)
20	RS485 -	42	Volume-Controlled Right Rear Audio (line-level)
21	GND (RS485 Return)	43	NC
22	NC	44	GND (External IR Return)

* IR + 5V Out is usually connected to an external IR receiver module, 100 mA maximum.

** Do Not connect an unmodulated IR receiver such as a pin diode from an IR repeater.

Do not connect any device that has a signal voltage greater than 5V.

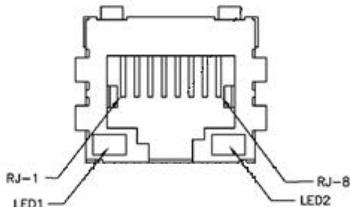
*** Discrete Relay Output switches to GND when activated

****Fixed-level can be adjusted

**+ Analog Sunset See Tech Manual

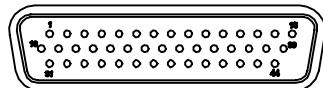
Ethernet Connectors

Connector Type: 8p8c RJ45	
Pin #	Function
1	TX+
2	TX-
3	RX+
4	NC
5	NC
6	RX-
7	NC
8	NC



P1 (ETHERNET)

P2 (MAIN)



Performance Specifications (Reference)

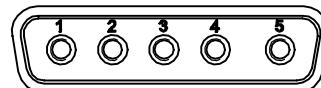
Power Requirements	
Operational Voltage Range	18.0 - 32.0 VDC
Max Current at Nominal Voltage	0.90 A @ 28.0 VDC
Inrush Peak	15 A
Inrush Duration	13 ms

Environmental Specifications	
Operating Temperature	0°C to 45°C
Altitude	A1 (15,000 ft)
Humidity	A
Vibration	S curve B
Power Input	CAT Z
Radio Frequency Susceptibility	CATT
Emission of RF Energy	CAT M

SDI/CVBS/SPDIF Connector

Connector Type: 5W5 Male
Rosen Connector Kit: 0300-040

Pin #	Function
1	S/PDIF Digital Audio
2	CVBS2 Composite *+
3	SDI_2 (SCRAMBLED)
4	SDI_1 (SCRAMBLED)
5	CVBS1 Composite *+

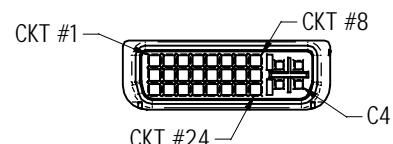


P3 (SDI/CVBS/SPDIF)

Component/Digital Connector

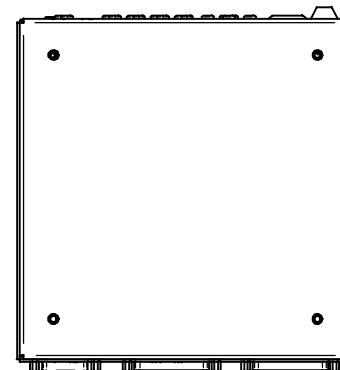
Connector Type: DVI-I Receptacle
Rosen Connector Kit: 0300-029

Pin #	Function	Pin #	Function
1	TMDS Data2-	16	Hot Plug Detect
2	TMDS Data2+	17	TMDS Data0-
3	TMDS Data2 Shield	18	TMDS Data0+
4	NC	19	TMDS Data0 Shield
5	NC	20	NC
6	DDC Clock [SCL]	21	NC
7	DDC Data [SDA]	22	TMDS Clock Shield
8	NC	23	TMDS Clock +
9	TMDS Data1-	24	TMDS Clock -
10	TMDS Data1+	C1	Analog Component Pr *+
11	TMDS Data1 Shield	C2	Analog Component Y *+
12	NC	C3	Analog Component Pb *+
13	NC	C4	NC
14	+5 V Power Out	C5	Analog Component Return
15	Ground (for +5 V)		

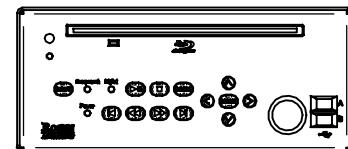


P4 (COMPONENT/DIGITAL)

Acceptable Mounting Orientations



VERTICAL +/- 15°



HORIZONTAL +/- 15°

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SIZE	DWG NO	REV
A	0602-002-CD	C
SCALE	NONE	SHEET 2 OF 2