



*Integrated Esoteric disc players -  
Chip sets, key features and  
proprietary transport comparisons*



## CD/SACD players

### 'X series'

X-01D2

X-01/X-01 Limited

X-03SE / X-03/ \*X-05

Transport = VRDS-NEO &  
\* VRDS VMK-V

### 'Z series'

SZ-1

Transport = VOSP

### 'SA series'

SA-60

SA-10

VOSP

## Universal players (CD/SACD/DVD-A/DVD-V compatible)

### 'UX series'

UX-1/UX-1 Limited/UX-1Pi

UX-3/UX3SE/UX-3Pi

VRDS-NEO

### 'Z series'

UZ-1

VOSP

### 'DV series'

DV-60

VOSP

VRDS-Neo = Vibration free rigid disc clamping system – New. VRDS-VMKV = New entry level VRDS assembly used in the X-05 and P-05. VOSP = Vertically aligned optical stability platform

# SACD/CD players

**'X'**

*X-01D2*

*X-03SE*

*X-05*

**VRDS-NEO & VRDS-VMK-V**

**'Z'**

*SZ-1*

**VOSP**

**'SA'**

*SA-60*

*SA-10*

**VOSP**

*X-01D2*

- DSD native
- DSD > PCM and PCM > DSD
- Super high end
- Multi-channel analog output
- PCM1704 x 8 (4 x 2ch)
- DSD-AD1955 x 6 (1 x 5.1ch)
- i.LINK

*X-03SE*

- High end
- 2-channel analog output
- PCM1704 x 4 (2 x 2ch)
- i.LINK

*X-05*

- New transport – VRDS-VMK-V
- 2-channel analog output
- PCM-CS4398 x 4 (2 x 2ch)
- Optional i.LINK

*SZ-1*

- Mid range (low profile design)
- 2-channel analog output
- CS4398 x 2 (1 x 2ch)
- i.LINK
- CD/SACD
- DSD native + PCM up-convert

*SA-60*

- Mid range
- Multi-channel analog output
- Dual mono plus multi-channel
- CS4398 x 3 (2 out/chip = 5.1ch)
- PCM to DSD conversion, variable PCM up-conversion
- DVD-A, CD, SACD compatible

*SA-10*

- Entry level
- Dual mono design
- 2-channel analog output
- CS4398 x 2 (1 x 2ch)
- CD/SACD
- DSD native + PCM up-convert

# Universal players (CD/SACD/DVD-A/DVD-V compatible)

## 'UX'

*UX-1Pi/UX-1Ltd.*  
*UX-3Pi*

**VRDS-NEO**

## 'Z'

*UZ-1*

**VOSP**

## 'DV'

*DV-60*

**VOSP**

### *UX-1Pi*

- Super high end AV player
- Multi-channel analog output
- PCM1704 x4 (2 x 2ch)
- PCM1704 x4 (1 x 3.1ch)
- i.LINK
- 1080p HDMI 1.3 EXP mode

### *UX-3Pi*

- High end
- 2-channel analog output
- PCM1704 x4 (2 x 2ch)
- i.LINK
- HDMI 1080p extended mode

### *UZ-1*

- Mid range (design conscious)
- 2-channel analog output
- CS4398 x1 (2out/chip =2ch)
- i.LINK

### *DV-60*

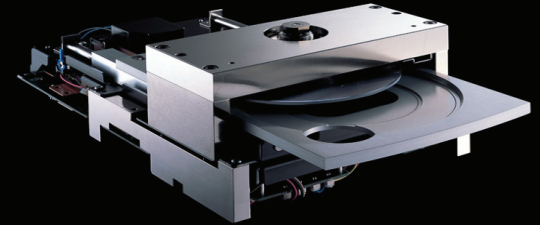
- Mid range
- Multi-channel analog output
- CS4398 x3 (2out/chip =5.1ch)
- RS232
- 12V remote trigger
- PCM > DSD
- Native DSD
- Selectable PCM up-conversion
- HDMI 1080p extended mode

VRDS-Neo VMK1.1 = Vibration Free Rigid Disc Clamping System  
VOSP = Vertically aligned optical stability platform

*X-01D2*

*UX-1Pi*

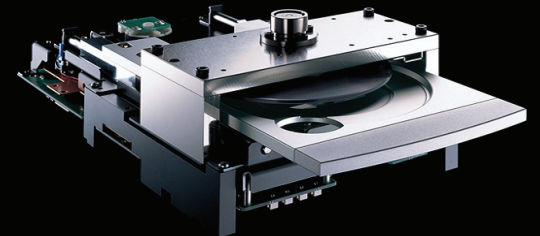
- Duralumin turntable
- Custom ceramic ball bearings
- RoHs VOSP pickup
- SS400 Steel T:20 mm bridge
- Pressed steel mechanism base
- SS400 + Al 2 piece bridge support
- Shutter and aluminum tray
- P-03/P-03Uni/X-01D2/UX-1Pi



*X-03SE*

*UX-3Pi/SE*

- Duralumin turntable
- Custom steel ball bearings
- RoHs VOSP pickup
- SS400 Steel T:10 mm bridge
- Pressed steel mechanism base
- SS400 + Al 2 piece bridge support
- Aluminum tray
- Die cast aluminum and steel



*X-05*

*(P-05)*

- VRDS-Neo VMK-V
- Aluminum and polycarbonate turntable
- Bulk mold composite (BMC) tray
- Steel hybrid bridge
- Differential gear loading
- Short spindle shaft
- Self detection of rotational speed
- 3 series optical assembly

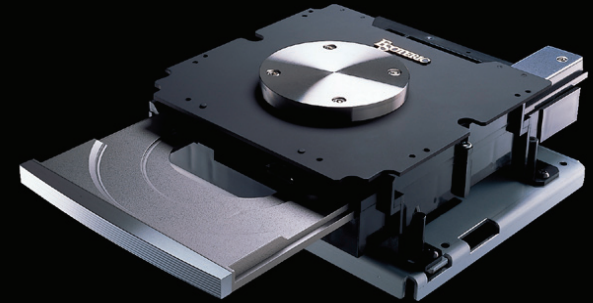


# VOSP

**SZ-1**

**UZ-1**

- RoHs VOSP pickup
- Aluminum tray
- 3 series optical assembly



**SA-60**

**DV-60**

- RoHs VOSP pickup
- Resin tray with aluminum tray cap
- Steel cover with 8mm stabilizer
- Highly rigid bracket mount to chassis support frame
- 2mm steel base plate
- 3 series optical assembly



**SA-10**

- RoHs VOSP pickup
- Resin tray with aluminum tray cap
- 2mm steel base plate
- 3 series optical assembly

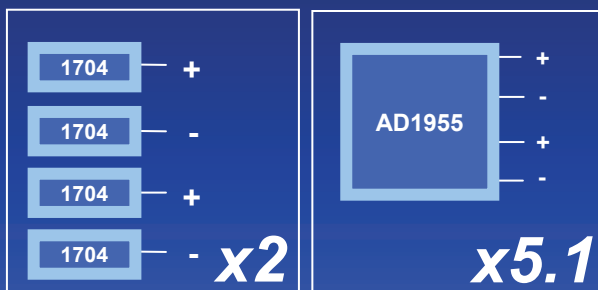
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EGOTERIC

# SACD/CD - DAC -

'X'

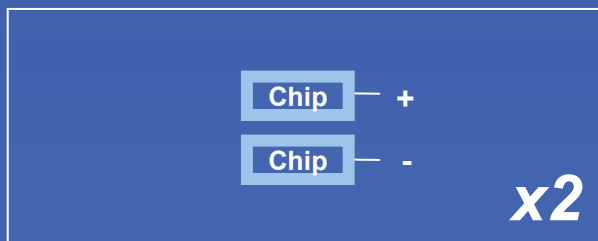
**X-01D2**

PCM1704 x8 (4 x 2ch)  
DSD-AD1955 x6 (1 x 5.1ch)



**X-03SE/X-05**

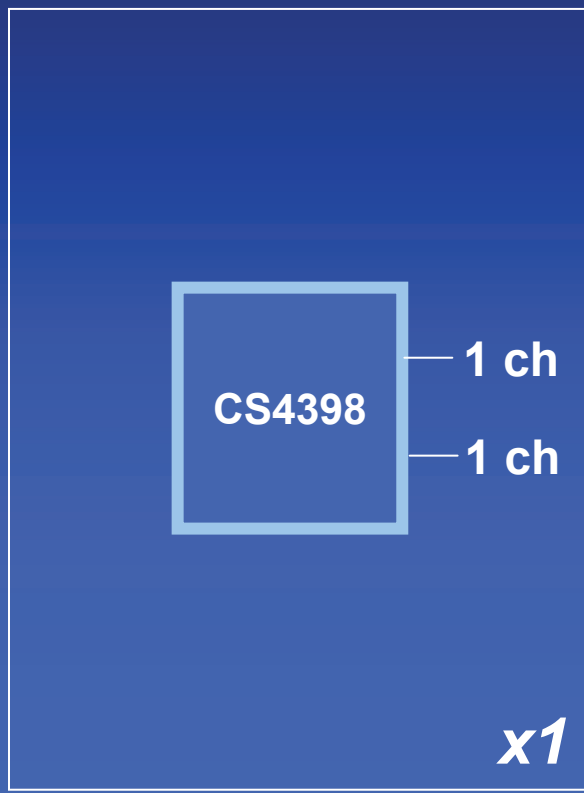
X-03SE/PCM1704 x4 (2 x 2ch)  
X-05/CS4398 x4 (2 x 2 ch)



'Z'

**SZ-1**

CS4398 x1 (2out/chip =2ch)



'SA'

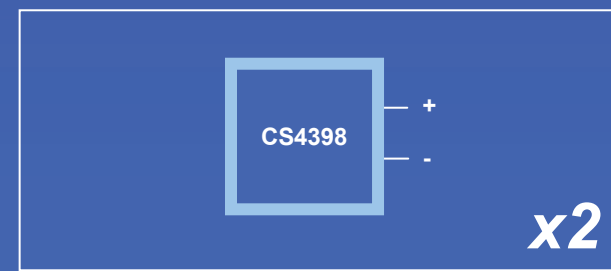
**SA-60**

CS4398 x3 (2out/chip =5.1ch)



**SA-10**

CS4398 x2 (1 x 2ch)



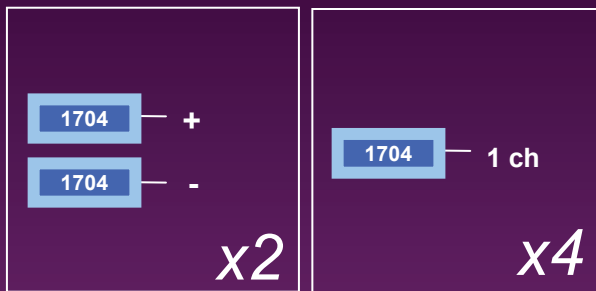
# Universal (DVD audio video compatible) - DAC -

## 'UX'

### UX-1Pi/UX-1 Ltd.

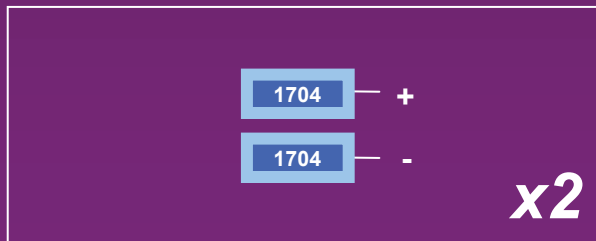
PCM1704 x4 (2 x 2ch)

PCM1704 x4 (1 x 4ch)



### UX-3Pi/UX-3SE

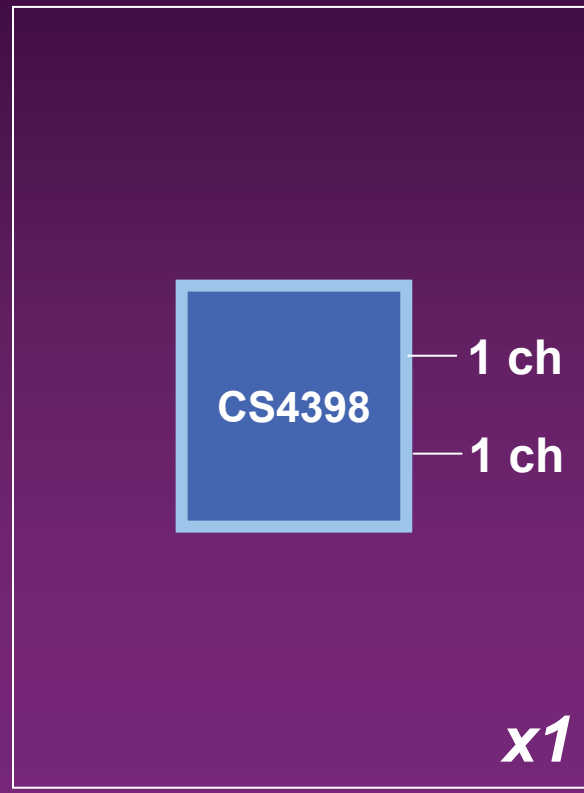
PCM1704 x4 (2 x 2ch)



## 'Z'

### UZ-1

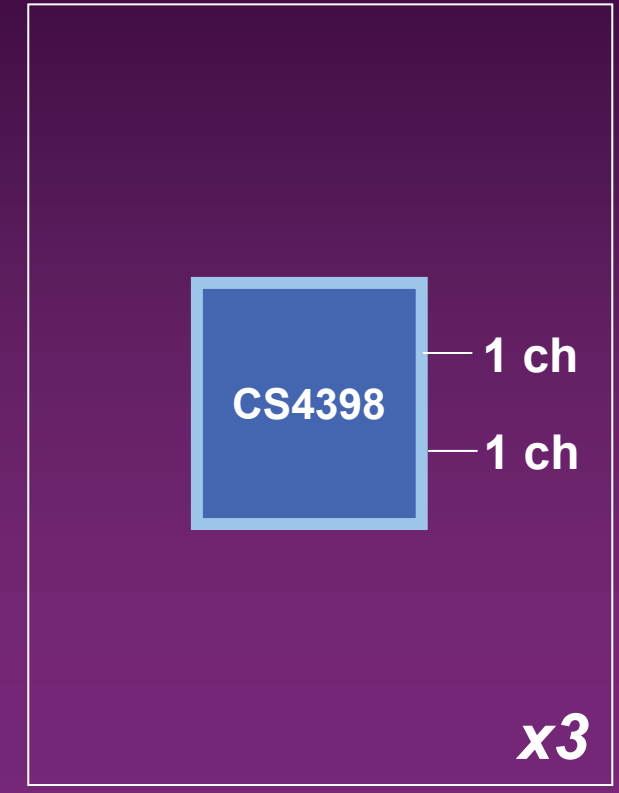
CS4398 x1 (2out/chip =2ch)



## 'DV'

### DV-60

CS4398 x3 (2out/chip =5.1ch)



# SACD/CD - Digital Filter / DDC -

'X'

**X-01D2**

- DF: On (wide) only
- Up-convert: x8 (auto)
- DSD direct: yes
- PCM to DSD convert: yes
- DSD to PCM convert: yes
- DAC mode: Multi-bit/DSD/1bit

**X-03SE**

- DF: On (narrow) only
- Up-convert: x8 (auto)
- DSD direct: n/a
- PCM to DSD convert: n/a
- DSD to PCM convert: n/a

**X-05**

- DF: Wide or narrow
- PCM up-convert: x8 (auto)
- DSD direct decode: yes
- PCM to DSD convert: n/a
- DSD to PCM convert: n/a

'Z'

**SZ-1**

- DF: Wide / Narrow
- Up-convert: x8 (auto)
- DSD direct: yes
- PCM to DSD convert: n/a
- DSD to PCM convert: n/a

'SA'

**SA-60**

- DF: Wide / Narrow (for FIR Filter)
- Up-convert: x8 (FIR) / x32 (RDOT+FIR)
- DSD direct: yes
- PCM to DSD convert: yes
- DSD to PCM convert: n/a

**SA-10**

- DF: Wide / Narrow
- Up-convert: x8 (auto)
- DSD direct: yes
- PCM to DSD convert: n/a
- DSD to PCM convert: n/a

1. DF, up-convert is only used for PCM signal (not DSD signal)

2. 'Narrow' means that the filter is 'sharp roll off' filter (does not mean that the frequency range is narrow!!) . The 'Wide' means 'slow roll off' filter.

# Universal (DVD-A/V compatible) - Digital Filter / DDC

**'UX'**

**UX-1Pi**

DF: On (narrow) / Off  
Up-convert: x8 (auto)  
DSD direct: n/a  
PCM to DSD convert: n/a  
DSD to PCM convert: n/a

**UX-3Pi**

DF: On (narrow) / Off  
Up-convert: x8 (auto)  
DSD direct: n/a  
PCM to DSD convert: n/a  
DSD to PCM convert: n/a

**'Z'**

**UZ-1**

DF: Wide / Narrow  
Up-convert: x8 (auto)  
DSD direct: yes  
PCM to DSD convert: n/a  
DSD to PCM convert: n/a

**'DV'**

**DV-60**

DF: Wide / Narrow (for FIR Filter)  
Up-convert: x8(FIR) / x32(RDOT+FIR)  
DSD direct: yes  
PCM to DSD convert: yes  
DSD to PCM convert: n/a

1. DF, up-convert is only used for PCM signal (not DSD signal)

2. 'Narrow' means that the filter is 'sharp roll off' filter (does not mean that the frequency range is narrow!!) . The 'Wide' means 'slow roll off' filter.

# *Universal (DVD-audio video compatible). Video Control*

## **'UX'**

### ***UX-1Pi*** ***UX-3Pi***

Video DAC:  
Analog Devices  
ADV7324 (14bit/216MHz)

Scaler:  
Anchor Bay ABT1018

I/P converter:  
Genesis FLI2310

480i(576i)/480p(576p)  
720p/1080i/1080p

HDMI: version 1.3

RS-232C: yes  
Trigger In: n/a  
Remote In: n/a

## **'Z'**

### ***UZ-1***

Video DAC:  
Analog Devices  
ADV7314 (14bit/216MHz)

Scaler & I/P converter:  
Genesis FLI2310

480i(576i)/480p(576p)  
720p/1080i

HDMI: version 1.1

RS-232C: n/a  
Trigger In: n/a  
Remote In: n/a

## **'DV'**

### ***DV-60***

Video DAC:  
Analog Devices  
ADV7324 (14bit/216MHz)

Scaler:  
Anchor Bay ABT1018

I/P converter:  
Genesis FLI2310

480i(576i)/480p(576p)  
720p/1080i/1080p

HDMI: Version 1.1

RS-232C: yes  
Trigger In: yes  
Remote In: yes



## *Integrated Disc Player Comparisons*

*End*

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