

# Cary Audio Design

## Cinema 11v HD Video Processor

### RS-232 Protocol and Control Details

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#### Com Port Setup:

Use standard communications settings. The default that most devices use/accept is:

Baud Rate : 9600 bps  
Data Bits : 8  
Parity : None  
Stop Bits : 1 bit  
Handshaking : None

#### Com Port Pin Configuration:

Use standard pin configuration. A configuration that allows direct connection to a PC via 9-pin straight through serial cable is best. Use of only 3 pins(Transmit, Receive, Ground) is best.

#### 9 pin female D connector

Pin 2 = Transmit  
Pin 3 = Receive  
Pin 5 = Ground

#### Command Packets :

The Command Packets are provided for the Host Controller request to the Cinema 11v to perform a specific action.

Start character : '@'  
COMMAND : see Data Packet 'COMMAND List'.  
PARAMETERS : see Data Packet 'PARAMETERS List'.  
End character (CR) : 0Dh

Start '@'	COMMAND	PARAMETERS	End 0Dh
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#### Status Request Packets:

The Status Request packets are provided for the Host Controller to request the Cinema 11v to report specific operating statuses.

Start character : '@'  
Query COMMAND : see Data Packet 'Query COMMAND Request List'.  
Query PARAMETERS : see Data Packet 'Query PARAMETERS Request List'  
End character (CR) : 0Dh

Start '@'	Query COMMAND	Query PARAMETERS	End 0Dh
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# Cary Audio Design

## Cinema 11v Surround Sound Processor

### RS-232 Protocol and Control Details

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Response data packets from the Cinema 11v to the HOST:

The Cinema 11v provides an Answer Parameters to the HOST when the Cinema 11v has received a correct command request packet.

Start character : '@'  
Return COMMAND : see Data Packet 'Return COMMAND list'.  
Return Parameters : see Data Packet 'Return Parameters List'.  
End character (CR) : 0Dh

Start '@'	Return COMMAND	Return Parameters	End 0Dh
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RS232-Interface Usage Details:

The RS-232 interface has a first-in-first-out (FIFO) buffer which will allow each command to be received in direct succession. Commands are executed in the order in which they are received with approximately a 1/2 second delay between each command. If a longer string of commands is necessary, a minimum of 1/2 second delay should be added before sending additional commands.

The Cinema 11v will send a NAK Response packet if the Cinema 11v has received an incorrect HOST command packet.

Start character : '@' NAK : ERR End character (CR) : 0Dh

Start '@'	NAK	End 0Dh
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## Cinema 11v RS-232 commands

### Specific Commands

<b>Command</b>	<b>Parameters</b>	<b>Description</b>
VP	x	Power on/off where x = 0,1 (off, on)
VI	x	Input selection where x =0,1,2,3, ... 17 ( 0=Auto,1=HDMI 1, 2=HDMI 2, 3=HDMI 3, 4=HDMI 4, 5=HDMI 6, 6=HDMI 6, 7=COMPONENT 1, 8=COMPONENT 2, 9=RGB, 10=INPUT 1, 11=INPUT 2, 12=INPUT 3, 13=INPUT 4, 14=INPUT 5, 15=INPUT 6,16=INPUT 7,17=INPUT 8)
VIRS	xnnnnnnnn	Input Sources Rename where x =0,1,2,3, ... 17 ( 0=Auto,1=HDMI 1, 2=HDMI 2, 3=HDMI 3, 4=HDMI 4, 5=HDMI 6, 6=HDMI 6, 7=COMPONENT 1, 8=COMPONENT 2, 9=RGB, 10=INPUT 1, 11=INPUT 2, 12=INPUT 3, 13=INPUT 4, 14=INPUT 5, 15=INPUT 6,16=INPUT 7,17=INPUT 8) where nnnnnnnn = any alphanumeric characters (up to 8) except ';' which is a command separator
VIA1	x	HDMI 1 Input Assign x=Audio where x =0,1,2,3, ... 5 (0=HDMI, 1=TOSLINK 1, 2=TOSLINK 2, 3=COAXIAL 1, 4=COAXIAL 2, 5=ANALOG AUDIO)
VIA2	x	HDMI 2 Input Assign x=Audio where x =0,1,2,3, ... 5 (0=HDMI, 1=TOSLINK 1, 2=TOSLINK 2, 3=COAXIAL 1, 4=COAXIAL 2, 5=ANALOG AUDIO)
VIA3	x	HDMI 3 Input Assign x=Audio where x =0,1,2,3, ... 5 (0=HDMI, 1=TOSLINK 1, 2=TOSLINK 2, 3=COAXIAL 1, 4=COAXIAL 2, 5=ANALOG AUDIO)
VIA4	x	HDMI 4 Input Assign x=Audio where x =0,1,2,3, ... 5 (0=HDMI, 1=TOSLINK 1, 2=TOSLINK 2, 3=COAXIAL 1, 4=COAXIAL 2, 5=ANALOG AUDIO)
VIA5	x	HDMI 5 Input Assign x=Audio where x =0,1,2,3, ... 5 (0=HDMI, 1=TOSLINK 1, 2=TOSLINK 2, 3=COAXIAL 1, 4=COAXIAL 2, 5=ANALOG AUDIO)
VIA6	x	HDMI 6 Input Assign x=Audio where x =0,1,2,3, ... 5 (0=HDMI, 1=TOSLINK 1, 2=TOSLINK 2, 3=COAXIAL 1, 4=COAXIAL 2, 5=ANALOG AUDIO)
VIA7	x	COMPONENT 1 Input Assign x=Audio

		where x =0,1,2,3, ... 4 (0=TOSLINK 1, 1=TOSLINK 2, 2=COAXIAL 1, 3=COAXIAL 2, 4=ANALOG AUDIO)
VIA8	x	COMPONENT 2 Input Assign x=Audio where x =0,1,2,3, ... 4 (0=TOSLINK 1, 1=TOSLINK 2, 2=COAXIAL 1, 3=COAXIAL 2, 4=ANALOG AUDIO)
VIA9	x	RGB Input Assign x=Audio where x =0,1,2,3, ... 4 (0=TOSLINK 1, 1=TOSLINK 2, 2=COAXIAL 1, 3=COAXIAL 2, 4=ANALOG AUDIO)
VIA10	yx	INPUT 1 Input Assign y=Video x=Audio where y =0,1 (0=video 1=s-video) where x =0,1,2,3, ... 4 (0=TOSLINK 1, 1=TOSLINK 2, 2=COAXIAL 1, 3=COAXIAL 2, 4=ANALOG AUDIO)
VIA11	yx	INPUT 2 Input Assign y=Video x=Audio where y =0,1 (0=video 1=s-video) where x =0,1,2,3, ... 4 (0=TOSLINK 1, 1=TOSLINK 2, 2=COAXIAL 1, 3=COAXIAL 2, 4=ANALOG AUDIO)
VIA12	yx	INPUT 3 Input Assign y=Video x=Audio where y =0,1 (0=video 1=s-video) where x =0,1,2,3, ... 4 (0=TOSLINK 1, 1=TOSLINK 2, 2=COAXIAL 1, 3=COAXIAL 2, 4=ANALOG AUDIO)
VIA13	yx	INPUT 4 Input Assign y=Video x=Audio where y =0,1 (0=video 1=s-video) where x =0,1,2,3, ... 4 (0=TOSLINK 1, 1=TOSLINK 2, 2=COAXIAL 1, 3=COAXIAL 2, 4=ANALOG AUDIO)
VIA14	yx	INPUT 4 Input Assign y=Video x=Audio where y =0,1 (0=video 1=s-video) where x =0,1,2,3, ... 4 (0=TOSLINK 1, 1=TOSLINK 2, 2=COAXIAL 1, 3=COAXIAL 2, 4=ANALOG AUDIO)
VIA15	yx	INPUT 6 Input Assign y=Video x=Audio where y =0,1 (0=video 1=s-video) where x =0,1,2,3, ... 4 (0=TOSLINK 1, 1=TOSLINK 2, 2=COAXIAL 1, 3=COAXIAL 2, 4=ANALOG AUDIO)
VIA16	yx	INPUT 7 Input Assign y=Video x=Audio where y =0,1 (0=video 1=s-video) where x =0,1,2,3, ... 4 (0=TOSLINK 1, 1=TOSLINK 2, 2=COAXIAL 1, 3=COAXIAL 2, 4=ANALOG AUDIO)
VIA17	yx	INPUT 8 Input Assign y=Video x=Audio where y =0,1 (0=video 1=s-video)

where x =0,1,2,3, ... 4 (0=TOSLINK 1, 1=TOSLINK 2, 2=COAXIAL 1, 3=COAXIAL 2, 4=ANALOG AUDIO)

VPC1BR	sxx	Picture Control brightness setting for HDMI 1 input where sxx = -50 to +50
VPC1CO	sxx	Picture Control contrast setting for HDMI 1 input where sxx = -50 to +50
VPC1SA	sxx	Picture Control saturation setting for HDMI 1 input where sxx = -50 to +50
VPC1SH	sxx	Picture Control sharpness setting for HDMI 1 input where sxx = -12 to +12
VPC1HU	sxx	Picture Control hue setting for HDMI 1 input where sxx = -50 to +50
VPC1RG	sxx	Picture Control red gain setting for HDMI 1 input where sxx = -50 to +50
VPC1GG	sxx	Picture Control 1gg=green gain setting for HDMI 1 input where sxx = -50 to +50
VPC1BG	sxx	Picture Control blue gain setting for HDMI 1 input where sxx = -50 to +50
VPC2BR	sxx	Picture Control brightness setting for HDMI 2 input where sxx = -50 to +50
VPC2CO	sxx	Picture Control contrast setting for HDMI 2 input where sxx = -50 to +50
VPC2SA	sxx	Picture Control saturation setting for HDMI 2 input where sxx = -50 to +50
VPC2SH	sxx	Picture Control sharpness setting for HDMI 2 input where sxx = -12 to +12
VPC2HU	sxx	Picture Control hue setting for HDMI 2 input where sxx = -50 to +50
VPC2RG	sxx	Picture Control red gain setting for HDMI 2 input where sxx = -50 to +50
VPC2GG	sxx	Picture Control green gain setting for HDMI 2 input where sxx = -50 to +50
VPC2BG	sxx	Picture Control blue gain setting for HDMI 2 input where sxx = -50 to +50
VPC3BR	sxx	Picture Control brightness setting for HDMI 3 input where sxx = -50 to +50
VPC3CO	sxx	Picture Control contrast setting for HDMI 3 input where sxx = -50 to +50

VPC3SA	sxx	Picture Control saturation setting for HDMI 3 input where sxx = -50 to +50
VPC3SH	sxx	Picture Control sharpness setting for HDMI 3 input where sxx = -12 to +12
VPC3HU	sxx	Picture Control hue setting for HDMI 3 input where sxx = -50 to +50
VPC3RG	sxx	Picture Control red gain setting for HDMI 3 input where sxx = -50 to +50
VPC3GG	sxx	Picture Control green gain setting for HDMI 3 input where sxx = -50 to +50
VPC3BG	sxx	Picture Control blue gain setting for HDMI 3 input where sxx = -50 to +50
VPC4BR	sxx	Picture Control 4br=brightness setting for HDMI 4 input where xxx = -50 to +50
VPC4CO	sxx	Picture Control contrast setting for HDMI 4 input where sxx = -50 to +50
VPC4SA	sxx	Picture Control saturation setting for HDMI 4 input where sxx = -50 to +50
VPC4SH	sxx	Picture Control sharpness setting for HDMI 4 input where sxx = -12 to +12
VPC4HU	sxx	Picture Control hue setting for HDMI 4 input where sxx = -50 to +50
VPC4RG	sxx	Picture Control red gain setting for HDMI 4 input where sxx = -50 to +50
VPC4GG	sxx	Picture Control green gain setting for HDMI 4 input where sxx = -50 to +50
VPC4BG	sxx	Picture Control blue gain setting for HDMI 4 input where sxx = -50 to +50
VPC5BR	sxx	Picture Control brightness setting for HDMI 5 input where sxx = -50 to +50
VPC5CO	sxx	Picture Control contrast setting for HDMI 5 input where sxx = -50 to +50
VPC5SA	sxx	Picture Control saturation setting for HDMI 5 input where sxx = -50 to +50
VPC5SH	sxx	Picture Control sharpness setting for HDMI 5 input where sxx = -12 to +12
VPC5HU	sxx	Picture Control hue setting for HDMI 5 input where sxx = -50 to +50

VPC5RG	sxx	Picture Control red gain setting for HDMI 5 input where sxx = -50 to +50
VPC5GG	sxx	Picture Control green gain setting for HDMI 5 input where sxx = -50 to +50
VPC5BG	sxx	Picture Control blue gain setting for HDMI 5 input where sxx = -50 to +50
VPC6BR	sxx	Picture Control brightness setting for HDMI 6 input where sxx = -50 to +50
VPC6CO	sxx	Picture Control contrast setting for HDMI 6 input where sxx = -50 to +50
VPC6SA	sxx	Picture Control saturation setting for HDMI 6 input where sxx = -50 to +50
VPC6SH	sxx	Picture Control sharpness setting for HDMI 6 input where sxx = -12 to +12
VPC6HU	sxx	Picture Control hue setting for HDMI 6 input where sxx = -50 to +50
VPC6RG	sxx	Picture Control red gain setting for HDMI 6 input where sxx = -50 to +50
VPC6GG	sxx	Picture Control green gain setting for HDMI 6 input where sxx = -50 to +50
VPC6BG	sxx	Picture Control blue gain setting for HDMI 6 input where sxx = -50 to +50
VPC7BR	sxx	Picture Control brightness setting for COMPONENT 1 input where sxx = -50 to +50
VPC7CO	sxx	Picture Control contrast setting for COMPONENT 1 input where sxx = -50 to +50
VPC7SA	sxx	Picture Control saturation setting for COMPONENT 1 input where sxx = -50 to +50
VPC7SH	sxx	Picture Control sharpness setting for COMPONENT 1 input where sxx = -12 to +12
VPC7HU	sxx	Picture Control hue setting for COMPONENT 1 input where sxx = -50 to +50
VPC7RG	sxx	Picture Control red gain setting for COMPONENT 1 input where sxx = -50 to +50
VPC7GG	sxx	Picture Control green gain setting for COMPONENT 1 input where sxx = -50 to +50
VPC7BG	sxx	Picture Control blue gain setting for COMPONENT 1 input where sxx = -50 to +50

VPC8BR	sxx	Picture Control brightness setting for COMPONENT 2 input where sxx = -50 to +50
VPC8CO	sxx	Picture Control contrast setting for COMPONENT 2 input where sxx = -50 to +50
VPC8SA	sxx	Picture Control saturation setting for COMPONENT 2 input where sxx = -50 to +50
VPC8SH	sxx	Picture Control sharpness setting for COMPONENT 2 input where sxx = -12 to +12
VPC8HU	sxx	Picture Control hue setting for COMPONENT 2 input where sxx = -50 to +50
VPC8RG	sxx	Picture Control red gain setting for COMPONENT 2 input where sxx = -50 to +50
VPC8GG	sxx	Picture Control green gain setting for COMPONENT 2 input where sxx = -50 to +50
VPC8BG	sxx	Picture Control blue gain setting for COMPONENT 2 input where sxx = -50 to +50
VPC9BR	sxx	Picture Control brightness setting for RGB input where sxx = -50 to +50
VPC9CO	sxx	Picture Control contrast setting for RGB input where sxx = -50 to +50
VPC9SA	sxx	Picture Control saturation setting for RGB input where sxx = -50 to +50
VPC9SH	sxx	Picture Control sharpness setting for RGB input where sxx = -12 to +12
VPC8HU	sxx	Picture Control hue setting for RGB input where sxx = -50 to +50
VPC9RG	sxx	Picture Control red gain setting for RGB input where sxx = -50 to +50
VPC9GG	sxx	Picture Control green gain setting for RGB input where sxx = -50 to +50
VPC9BG	sxx	Picture Control blue gain setting for RGB input where sxx = -50 to +50
VPC10BR	sxx	Picture Control brightness setting for INPUT 1 input where sxx = -50 to +50
VPC10CO	sxx	Picture Control contrast setting for INPUT 1 input where sxx = -50 to +50
VPC10SA	sxx	Picture Control saturation setting for INPUT 1 input where sxx = -50 to +50

VPC10SH	sxx	Picture Control sharpness setting for INPUT 1 input where sxx = -12 to +12
VPC10HU	sxx	Picture Control hue setting for INPUT 1 input where sxx = -50 to +50
VPC10RG	sxx	Picture Control red gain setting for INPUT 1 input where sxx = -50 to +50
VPC10GG	sxx	Picture Control green gain setting for INPUT 1 input where sxx = -50 to +50
VPC10BG	sxx	Picture Control blue gain setting for INPUT 1 input where sxx = -50 to +50
VPC11BR	sxx	Picture Control brightness setting for INPUT 2 input where sxx = -50 to +50
VPC11CO	sxx	Picture Control contrast setting for INPUT 2 input where sxx = -50 to +50
VPC11SA	sxx	Picture Control saturation setting for INPUT 2 input where sxx = -50 to +50
VPC11SH	sxx	Picture Control sharpness setting for INPUT 2 input where sxx = -12 to +12
VPC11HU	sxx	Picture Control hue setting for INPUT 2 input where sxx = -50 to +50
VPC11RG	sxx	Picture Control red gain setting for INPUT 2 input where sxx = -50 to +50
VPC11GG	sxx	Picture Control green gain setting for INPUT 2 input where sxx = -50 to +50
VPC11BG	sxx	Picture Control blue gain setting for INPUT 2 input where sxx = -50 to +50
VPC12BR	sxx	Picture Control brightness setting for INPUT 3 input where sxx = -50 to +50
VPC12CO	sxx	Picture Control contrast setting for INPUT 3 input where sxx = -50 to +50
VPC12SA	sxx	Picture Control saturation setting for INPUT 3 input where sxx = -50 to +50
VPC12SH	sxx	Picture Control sharpness setting for INPUT 3 input where sxx = -12 to +12
VPC12HU	sxx	Picture Control hue setting for INPUT 3 input where sxx = -50 to +50
VPC12RG	sxx	Picture Control red gain setting for INPUT 3 input where sxx = -50 to +50

VPC12GG	sxx	Picture Control green gain setting for INPUT 3 input where sxx = -50 to +50
VPC12BG	sxx	Picture Control blue gain setting for INPUT 3 input where sxx = -50 to +50
VPC13BR	sxx	Picture Control brightness setting for INPUT 4 input where xxx = -50 to +50
VPC13CO	sxx	Picture Control contrast setting for INPUT 4 input where sxx = -50 to +50
VPC13SA	sxx	Picture Control saturation setting for INPUT 4 input where sxx = -50 to +50
VPC13SH	sxx	Picture Control sharpness setting for INPUT 4 input where sxx = -12 to +12
VPC13HU	sxx	Picture Control hue setting for INPUT 4 input where sxx = -50 to +50
VPC13RG	sxx	Picture Control red gain setting for INPUT 4 input where sxx = -50 to +50
VPC13GG	sxx	Picture Control green gain setting for INPUT 4 input where sxx = -50 to +50
VPC13BG	sxx	Picture Control blue gain setting for INPUT 4 input where sxx = -50 to +50
VPC14BR	sxx	Picture Control brightness setting for INPUT 5 input where sxx = -50 to +50
VPC14CO	sxx	Picture Control contrast setting for INPUT 5 input where sxx = -50 to +50
VPC14SA	sxx	Picture Control saturation setting for INPUT 5 input where sxx = -50 to +50
VPC14SH	sxx	Picture Control sharpness setting for INPUT 5 input where sxx = -12 to +12
VPC14HU	sxx	Picture Control hue setting for INPUT 5 input where sxx = -50 to +50
VPC14RG	sxx	Picture Control red gain setting for INPUT 5 input where sxx = -50 to +50
VPC14GG	sxx	Picture Control green gain setting for INPUT 5 input where sxx = -50 to +50
VPC14RG	sxx	Picture Control blue gain setting for INPUT 5 input where sxx = -50 to +50
VPC15BR	sxx	Picture Control brightness setting for INPUT 6 input where sxx = -50 to +50

VPC15CO	sxx	Picture Control contrast setting for INPUT 6 input where sxx = -50 to +50
VPC15SA	sxx	Picture Control saturation setting for INPUT 6 input where sxx = -50 to +50
VPC15SH	sxx	Picture Control sharpness setting for INPUT 6 input where sxx = -12 to +12
VPC15HU	sxx	Picture Control hue setting for INPUT 6 input where sxx = -50 to +50
VPC15RG	sxx	Picture Control red gain setting for INPUT 6 input where sxx = -50 to +50
VPC15GG	sxx	Picture Control green gain setting for INPUT 6 input where sxx = -50 to +50
VPC15BG	sxx	Picture Control blue gain setting for INPUT 6 input where sxx = -50 to +50
VPC16BR	sxx	Picture Control brightness setting for INPUT 7 input where sxx = -50 to +50
VPC16CO	sxx	Picture Control contrast setting for INPUT 7 input where sxx = -50 to +50
VPC16SA	sxx	Picture Control saturation setting for INPUT 7 input where sxx = -50 to +50
VPC16SH	sxx	Picture Control sharpness setting for INPUT 7 input where sxx = -12 to +12
VPC16HU	sxx	Picture Control hue setting for INPUT 7 input where sxx = -50 to +50
VPC16RG	sxx	Picture Control red gain setting for INPUT 7 input where sxx = -50 to +50
VPC16GG	sxx	Picture Control green gain setting for INPUT 7 input where sxx = -50 to +50
VPC16BG	sxx	Picture Control blue gain setting for INPUT 7 input where sxx = -50 to +50
VPC17BR	sxx	Picture Control brightness setting for INPUT 8 input where sxx = -50 to +50
VPC17CO	sxx	Picture Control contrast setting for INPUT 8 input where sxx = -50 to +50
VPC17SA	sxx	Picture Control saturation setting for INPUT 8 input where sxx = -50 to +50
VPC17SH	sxx	Picture Control sharpness setting for INPUT 8 input where sxx = -12 to +12

VPC17HU	sxx	Picture Control hue setting for INPUT 8 input where sxx = -50 to +50
VPC17RG	sxx	Picture Control red gain setting for INPUT 8 input where sxx = -50 to +50
VPC17GG	sxx	Picture Control green gain setting for INPUT 8 input where sxx = -50 to +50
VPC17BG	sxx	Picture Control blue gain setting for INPUT 8 input where sxx = -50 to +50
VO1RE	x	Set Resolution for HDMI 1 output where x=0,1,2,3,...8 (0=Auto, 1=480/576p, 2=720p, 3=1080i, 4=1080p, 5=1080p/24, 6=640x480, 7=800x600, 8=1024x768, 9=1280x1024 )
VO1ARDI	x	Set Display of Aspect Ratio for HDMI 1 output where x=0,1,2,3,4 (0=4:3, 1=5:4, 2=16:9, 3=2.35:1, 4=User )
VO1ARSC	x	Set Screen of Aspect Ratio for HDMI 1 output where x=0,1,2,3,4 (0=4:3, 1=5:4, 2=16:9, 3=2.35:1, 4=User )
VO1ARSH	sxx	Set Hor. Shift for HDMI 1 output where sxx = -50 to +50
VO1ARSV	sxx	Set Ver. Shift for HDMI 1 output where sxx = -50 to +50
VO1CS	x	Set Color Space of HDMI 1 output where x=0,1,2,3 (0=Auto, 1=YCbCr 4:2:2, 2=YCbCr 4:4:4, 3=RGB (PC) 0-255)
VO2RE	x	Set Resolution for HDMI 2 output where x=0,1,2,3,...7 (0=Auto, 1=480/576i, 2=480/576p, 3=720p, 4=1080i, 5=1080p, 6=1080p/24, 7=640x480 )
VO2ARDI	x	Set Display of Aspect Ratio for HDMI 1 output where x=0,1,2,3,4 (0=4:3, 1=5:4, 2=16:9, 3=2.35:1, 4=User )
VO2ARSH	sxx	Set Hor. Shift for HDMI 2 output where sxx = -50 to +50
VO2ARSV	sxx	Set Ver. Shift for HDMI 2 output where sxx = -50 to +50
VO2CS	x	Set Color Space of HDMI 2 output where x=0,1,2,3 (0=Auto, 1=YCbCr 4:2:2, 2=YCbCr 4:4:4, 3=RGB (PC) 0-255)
VTP	x	Test Patterns selection where x=0,1,2,3,...10 (0=Off, 1=Color Bars 2=Multiburst (V), 3=Multiburst (H), 4=Cross Hatch 1, 5=B/W long checked 1, 6=B/W long checked 2, 7=B/W long checked 3, 8=B/W long checked 4, 9=3D checked)
VASVBR	x	Set VFD bright where x=0,1,2,3 (0=High 1=Mid, 2=Low, 3=Off)

VASECN	nnnnnnnnnn	Edit Custom Name where nnnnnnnnnn = any alphanumeric characters (up to 20) except ';' which is a command separator
VASIRC	xy	Set IR Controls where x=0,1,2 (0=Front, 1=Rear 2=Both ) where y=0,1 (0=Normal 1=Invert )
VASZM	x	Zoom selection where x=0 to 9 level
VASTR	x	Set Trigger output where x=0,1,2, (0=Trigger 1 out, 1=Trigger 2 out, 2=Trigger 1 & 2 out)
VAS3D	x	3D COMB Filter selection where x=0,1 (0=Off, 1=On)
VASEDID	x	Audio EDID Channel selection where x=0,1 (0=HDMI 1 output port, 1=HDMI 2 output port)

## Cinema 11v RS-232 Query commands

### Specific Commands

Command	Parameters	Description
VP?		Query Power on/off return: VPx where x = 0,1 (off, on)
VI?		Query Input sources return: VIx where x =1,2,3, ... 17 (1=HDMI 1, 2=HDMI 2, 3=HDMI 3, 4=HDMI 4, 5=HDMI 5, 6=HDMI 6, 7=COMPONENT 1, 8=COMPONENT 2, 9=RGB, 10=INPUT 1, 11=INPUT 2, 12=INPUT 3, 13=INPUT 4, 14=INPUT 5, 15=INPUT 6,16=INPUT 7,17=INPUT 8)
VIA1?		Query HDMI 1 Input Audio Assign return: VIA1x where x =0,1,2,3, ... 5 (0=HDMI, 1=TOSLINK 1, 2=TOSLINK 2, 3=COAXIAL 1, 4=COAXIAL 2, 5=ANALOG AUDIO)
VIA2?		Query HDMI 2 Input Audio Assign return: VIA2x where x =0,1,2,3, ... 5 (0=HDMI, 1=TOSLINK 1, 2=TOSLINK 2, 3=COAXIAL 1, 4=COAXIAL 2, 5=ANALOG AUDIO)
VIA3?		Query HDMI 3 Input Audio Assign return: VIA3x where x =0,1,2,3, ... 5 (0=HDMI, 1=TOSLINK 1, 2=TOSLINK 2, 3=COAXIAL 1, 4=COAXIAL 2, 5=ANALOG AUDIO)
VIA4?		Query HDMI 4 Input Audio Assign return: VIA4x where x =0,1,2,3, ... 5 (0=HDMI, 1=TOSLINK 1, 2=TOSLINK 2, 3=COAXIAL 1, 4=COAXIAL 2, 5=ANALOG AUDIO)
VIA5?		Query HDMI 5 Input Audio Assign return: VIA5x where x =0,1,2,3, ... 5 (0=HDMI, 1=TOSLINK 1, 2=TOSLINK 2, 3=COAXIAL 1, 4=COAXIAL 2, 5=ANALOG AUDIO)
VIA6?		Query HDMI 6 Input Audio Assign return: VIA6x where x =0,1,2,3, ... 5 (0=HDMI, 1=TOSLINK 1, 2=TOSLINK 2, 3=COAXIAL 1, 4=COAXIAL 2, 5=ANALOG AUDIO)
VIA7?		Query COMPONENT 1 Input Audio Assign return: VIA7x where x =0,1,2,3, ... 4 (0=TOSLINK 1, 1=TOSLINK 2, 2=COAXIAL 1, 3=COAXIAL 2, 4=ANALOG AUDIO)
VIA8?		Query COMPONENT 2 Input Audio Assign return: VIA8x where x =0,1,2,3, ... 4 (0=TOSLINK 1, 1=TOSLINK 2, 2=COAXIAL 1, 3=COAXIAL 2, 4=ANALOG AUDIO)
VIA9?		Query RGB Input Audio Assign return: VIA9x where x =0,1,2,3, ... 4 (0=TOSLINK 1, 1=TOSLINK 2, 2=COAXIAL 1, 3=COAXIAL 2, 4=ANALOG AUDIO)

VIA10? Query INPUT 1 Input Video and Audio Assign return: VIA10yx  
where y =0,1 (0=video 1=s-video)  
where x =0,1,2,3, ... 4 (0=TOSLINK 1, 1=TOSLINK 2, 2=COAXIAL 1, 3=COAXIAL 2,  
4=ANALOG AUDIO)

VIA11? Query INPUT 2 Input Video and Audio Assign return: VIA11yx  
where y =0,1 (0=video 1=s-video)  
where x =0,1,2,3, ... 4 (0=TOSLINK 1, 1=TOSLINK 2, 2=COAXIAL 1, 3=COAXIAL 2,  
4=ANALOG AUDIO)

VIA12? Query INPUT 3 Input Video and Audio Assign return: VIA12yx  
where y =0,1 (0=video 1=s-video)  
where x =0,1,2,3, ... 4 (0=TOSLINK 1, 1=TOSLINK 2, 2=COAXIAL 1, 3=COAXIAL 2,  
4=ANALOG AUDIO)

VIA13? Query INPUT 4 Input Video and Audio Assign return: VIA13yx  
where y =0,1 (0=video 1=s-video)  
where x =0,1,2,3, ... 4 (0=TOSLINK 1, 1=TOSLINK 2, 2=COAXIAL 1, 3=COAXIAL 2,  
4=ANALOG AUDIO)

VIA14? Query INPUT 4 Input Video and Audio Assign return: VIA14yx  
where y =0,1 (0=video 1=s-video)  
where x =0,1,2,3, ... 4 (0=TOSLINK 1, 1=TOSLINK 2, 2=COAXIAL 1, 3=COAXIAL 2,  
4=ANALOG AUDIO)

VIA15? Query INPUT 6 Input Video and Audio Assign return: VIA15yx  
where y =0,1 (0=video 1=s-video)  
where x =0,1,2,3, ... 4 (0=TOSLINK 1, 1=TOSLINK 2, 2=COAXIAL 1, 3=COAXIAL 2,  
4=ANALOG AUDIO)

VIA16? Query INPUT 7 Input Video and Audio Assign return: VIA16yx  
where y =0,1 (0=video 1=s-video)  
where x =0,1,2,3, ... 4 (0=TOSLINK 1, 1=TOSLINK 2, 2=COAXIAL 1, 3=COAXIAL 2,  
4=ANALOG AUDIO)

VIA17? Query INPUT 8 Input Video and Audio Assign return: VIA17yx  
where y =0,1 (0=video 1=s-video)  
where x =0,1,2,3, ... 4 (0=TOSLINK 1, 1=TOSLINK 2, 2=COAXIAL 1, 3=COAXIAL 2,  
4=ANALOG AUDIO)

VPC1BR? Query Picture Control brightness setting for HDMI 1 input return: VPC1BRsxx  
where sxx = -50 to +50

VPC1CO? Query Picture Control contrast setting for HDMI 1 input return: VPC1COsxx  
where sxx = -50 to +50

VPC1SA? Query Picture Control saturation setting for HDMI 1 input return: VPC1SAsxx  
where sxx = -50 to +50

VPC1SH?	Query Picture Control	sharpness setting for HDMI 1 input return: VPC1SHsxx where sxx = -12 to +12
VPC1HU?	Query Picture Control	hue setting for HDMI 1 input return: VPC1HU sxx where sxx = -50 to +50
VPC1RG?	Query Picture Control	red gain setting for HDMI 1 input return: VPC1RGsxx where sxx = -50 to +50
VPC1GG?	Query Picture Control	green gain setting for HDMI 1 input return: VPC1GGsxx where sxx = -50 to +50
VPC1BG?	Query Picture Control	blue gain setting for HDMI 1 input return: VPC1BGsxx where sxx = -50 to +50
VPC2BR?	Query Picture Control	brightness setting for HDMI 2 input return: VPC2BRsxx where sxx = -50 to +50
VPC2CO?	Query Picture Control	contrast setting for HDMI 2 input return: VPC2COsxx where sxx = -50 to +50
VPC2SA?	Query Picture Control	saturation setting for HDMI 2 input return: VPC2SAsxx where sxx = -50 to +50
VPC2SH?	Query Picture Control	sharpness setting for HDMI 2 input return: VPC2SHsxx where sxx = -12 to +12
VPC2HU?	Query Picture Control	hue setting for HDMI 2 input return: VPC2HU sxx where sxx = -50 to +50
VPC2RG?	Query Picture Control	red gain setting for HDMI 2 input return: VPC2RGsxx where sxx = -50 to +50
VPC2GG?	Query Picture Control	green gain setting for HDMI 2 input return: VPC2GGsxx where sxx = -50 to +50
VPC2BG?	Query Picture Control	blue gain setting for HDMI 2 input return: VPC2BGsxx where sxx = -50 to +50
VPC3BR?	Query Picture Control	brightness setting for HDMI 3 input return: VPC3BRsxx where sxx = -50 to +50
VPC3CO?	Query Picture Control	contrast setting for HDMI 3 input return: VPC3COsxx where sxx = -50 to +50
VPC3SA?	Query Picture Control	saturation setting for HDMI 3 input return: VPC3SAsxx where sxx = -50 to +50
VPC3SH?	Query Picture Control	sharpness setting for HDMI 3 input return: VPC3SHsxx where sxx = -12 to +12
VPC3HU?	Query Picture Control	hue setting for HDMI 3 input return: VPC3HU sxx where sxx = -50 to +50
VPC3RG?	Query Picture Control	red gain setting for HDMI 3 input return: VPC3RGsxx where sxx = -50 to +50

VPC3GG?	Query Picture Control	green gain setting for HDMI 3 input return: VPC3GGsxx where sxx = -50 to +50
VPC3BG?	Query Picture Control	blue gain setting for HDMI 3 input return: VPC3BGsxx where sxx = -50 to +50
VPC4BR?	Query Picture Control	brightness setting for HDMI 4 input return: VPC4BRsxx where sxx = -50 to +50
VPC4CO?	Query Picture Control	contrast setting for HDMI 4 input return: VPC4COsxx where sxx = -50 to +50
VPC4SA?	Query Picture Control	saturation setting for HDMI 4 input return: VPC4SAsxx where sxx = -50 to +50
VPC4SH?	Query Picture Control	sharpness setting for HDMI 4 input return: VPC4SHsxx where sxx = -12 to +12
VPC4HU?	Query Picture Control	hue setting for HDMI 4 input return: VPC4HU sxx where sxx = -50 to +50
VPC4RG?	Query Picture Control	red gain setting for HDMI 4 input return: VPC4RGsxx where sxx = -50 to +50
VPC4GG?	Query Picture Control	green gain setting for HDMI 4 input return:VPC4GGsxx where sxx = -50 to +50
VPC4BG?	Query Picture Control	blue gain setting for HDMI 4 input return: VPC4BRsxx where sxx = -50 to +50
VPC5BR?	Query Picture Control	brightness setting for HDMI 5 input return:VPC5BRsxx where sxx = -50 to +50
VPC5CO?	Query Picture Control	contrast setting for HDMI 5 input return: VPC5COsxx where sxx = -50 to +50
VPC5SA?	Query Picture Control	saturation setting for HDMI 5 input return: VPC5SAsxx where sxx = -50 to +50
VPC5SH?	Query Picture Control	sharpness setting for HDMI 5 input return: VPC5SHsxx where sxx = -12 to +12
VPC5HU?	Query Picture Control	hue setting for HDMI 5 input return: VPC5HU sxx where sxx = -50 to +50
VPC5RG?	Query Picture Control	red gain setting for HDMI 5 input return: VPC5RGsxx where sxx = -50 to +50
VPC5GG?	Query Picture Control	green gain setting for HDMI 5 input return: VPC5GGsxx where sxx = -50 to +50
VPC5BG?	Query Picture Control	blue gain setting for HDMI 5 input return: VPC5BGsxx where sxx = -50 to +50
VPC6BR?	Query Picture Control	brightness setting for HDMI 6 input return: VPC6BRsxx where sxx = -50 to +50

VPC6CO?	Query Picture Control	contrast setting for HDMI 6 input return: VPC6COsxx where sxx = -50 to +50
VPC6SA?	Query Picture Control	saturation setting for HDMI 6 input return:VPC6SAsxx where sxx = -50 to +50
VPC6SH?	Query Picture Control	sharpness setting for HDMI 6 input return: VPC6SHsxx where sxx = -12 to +12
VPC6HU?	Query Picture Control	hue setting for HDMI 6 input return: VPC6HUsxx where sxx = -50 to +50
VPC6RG?	Query Picture Control	red gain setting for HDMI 6 input return: VPC6RGsxx where sxx = -50 to +50
VPC6GG?	Query Picture Control	green gain setting for HDMI 6 input return: VPC6GGsxx where sxx = -50 to +50
VPC6BG?	Query Picture Control	blue gain setting for HDMI 6 inputreturn: VPC6BGsxx where sxx = -50 to +50
VPC7BR?	Query Picture Control	brightness setting for COMPONENT 1 input return: VPC7BRsxx where sxx = -50 to +50
VPC7CO?	Query Picture Control	contrast setting for COMPONENT 1 input return: VPC7COsxx where sxx = -50 to +50
VPC7SA?	Query Picture Control	saturation setting for COMPONENT 1 input return:VPC7SAsxx where sxx = -50 to +50
VPC7SH?	Query Picture Control	sharpness setting for COMPONENT 1 input return: VPC7SHsxx where sxx = -12 to +12
VPC7HU?	Query Picture Control	hue setting for COMPONENT 1 input return: VPC7HUsxx where sxx = -50 to +50
VPC7RG?	Query Picture Control	red gain setting for COMPONENT 1 input return: VPC7RGsxx where sxx = -50 to +50
VPC7GG?	Query Picture Control	green gain setting for COMPONENT 1 input return: VPC7GGsxx where sxx = -50 to +50
VPC7BG?	Query Picture Control	blue gain setting for COMPONENT 1 inputreturn: VPC7BGsxx where sxx = -50 to +50
VPC8BR?	Query Picture Control	brightness setting for COMPONENT 2 input return:VPC8BRsxx where sxx = -50 to +50
VPC8CO?	Query Picture Control	contrast setting for COMPONENT 2 input return: VPC8COsxx where sxx = -50 to +50
VPC8SA?	Query Picture Control	saturation setting for COMPONENT 2 input return :

VPC8SAsxx

where sxx = -50 to +50

VPC8SH? Query Picture Control sharpness setting for COMPONENT 2 input return:

VPC8SHsxx

where sxx = -12 to +12

VPC8HU? Query Picture Control hue setting for COMPONENT 2 input return:VPC8HUsxx

where sxx = -50 to +50

VPC8RG? Query Picture Control red gain setting for COMPONENT 2 input return: VPC8RGsxx

where sxx = -50 to +50

VPC8GG? Query Picture Control green gain setting for COMPONENT 2 input return:

VPC8GGsxx

where sxx = -50 to +50

VPC8BG? Query Picture Control blue gain setting for COMPONENT 2 input return: VPC8BGsxx

where sxx = -50 to +50

VPC9BR? Query Picture Control brightness setting for RGB input return:VPC9BRsxx

where sxx = -50 to +50

VPC9CO? Query Picture Control contrast setting for RGB input return: VPC9COsxx

where sxx = -50 to +50

VPC9SA? Query Picture Control saturation setting for RGB input return:VPC9SAsxx

where sxx = -50 to +50

VPC9SH? Query Picture Control sharpness setting for RGB input return: VPC9SHsxx

where sxx = -12 to +12

VPC9HU? Query Picture Control hue setting for RGB input return: VPC9HUsxx

where sxx = -50 to +50

VPC9RG? Query Picture Control red gain setting for RGB input return: VPC9RGsxx

where sxx = -50 to +50

VPC9GG? Query Picture Control green gain setting for RGB input return: VPC9GGsxx

where sxx = -50 to +50

VPC9BG? Query Picture Control blue gain setting for RGB input return: VPC9BGsxx

where sxx = -50 to +50

VPC10BR? Query Picture Control brightness setting for INPUT 1 input return: VPC10BRsxx

where sxx = -50 to +50

VPC10CO? Query Picture Control contrast setting for INPUT 1 input return: VPC10COsxx

where sxx = -50 to +50

VPC10SA? Query Picture Control saturation setting for INPUT 1 input return: VPC10SAsxx

where sxx = -50 to +50

VPC10SH? Query Picture Control sharpness setting for INPUT 1 input return: VPC10SHsxx

where sxx = -12 to +12

VPC10HU?	Query Picture Control	hue setting for INPUT 1 input return: VPC10HUxxx where sxx = -50 to +50
VPC10RG?	Query Picture Control	red gain setting for INPUT 1 input return: VPC10RGsxx where sxx = -50 to +50
VPC10GG?	Query Picture Control	green gain setting for INPUT 1 input return: VPC10GGsxx where sxx = -50 to +50
VPC10BG?	Query Picture Control	blue gain setting for INPUT 1 input return: VPC10BGsxx where sxx = -50 to +50
VPC11BR?	Query Picture Control	brightness setting for INPUT 2 input return: VPC11BRsxx where sxx = -50 to +50
VPC11CO?	Query Picture Control	contrast setting for INPUT 2 input return: VPC11COsxx where sxx = -50 to +50
VPC11SA?	Query Picture Control	saturation setting for INPUT 2 input return: VPC11SAsxx where sxx = -50 to +50
VPC11SH?	Query Picture Control	sharpness setting for INPUT 2 input return: VPC11SHsxx where sxx = -12 to +12
VPC11HU?	Query Picture Control	hue setting for INPUT 2 input return: VPC11HUxxx where sxx = -50 to +50
VPC11RG?	Query Picture Control	red gain setting for INPUT 2 input return: VPC11RGsxx where sxx = -50 to +50
VPC11GG?	Query Picture Control	green gain setting for INPUT 2 input return: VPC11GGsxx where sxx = -50 to +50
VPC11BG?	Query Picture Control	blue gain setting for INPUT 2 input return: VPC11BGsxx where sxx = -50 to +50
VPC12BR?	Query Picture Control	brightness setting for INPUT 3 input return: VPC12BRsxx where sxx = -50 to +50
VPC12CO?	Query Picture Control	contrast setting for INPUT 3 input return: VPC12COsxx where sxx = -50 to +50
VPC12SA?	Query Picture Control	saturation setting for INPUT 3 input return: VPC12SAsxx where sxx = -50 to +50
VPC12SH?	Query Picture Control	sharpness setting for INPUT 3 input return: VPC12SHsxx where sxx = -12 to +12
VPC12HU?	query Picture Control	hue setting for INPUT 3 input return: VPC12HUxxx where sxx = -50 to +50
VPC12RG?	Query Picture Control	red gain setting for INPUT 3 input return: VPC12RGsxx where sxx = -50 to +50
VPC12GG?	Query Picture Control	green gain setting for INPUT 3 input return: VPC12GGsxx where sxx = -50 to +50

VPC12BG?	Query Picture Control	blue gain setting for INPUT 3 input return: VPC12BGsxx where sxx = -50 to +50
VPC13BR?	Query Picture Control	brightness setting for INPUT 4 input return: VPC13BRsxx where sxx = -50 to +50
VPC13CO?	Query Picture Control	contrast setting for INPUT 4 input return: VPC13COsxx where sxx = -50 to +50
VPC13SA?	Query Picture Control	saturation setting for INPUT 4 input return: VPC13SAsxx where sxx = -50 to +50
VPC13SH?	Query Picture Control	sharpness setting for INPUT 4 input return: VPC13SHsxx where sxx = -12 to +12
VPC13HU?	Query Picture Control	hue setting for INPUT 4 input return: VPC13HUxxx where sxx = -50 to +50
VPC13RG?	Query Picture Control	red gain setting for INPUT 4 input return: VPC13RGsxx where sxx = -50 to +50
VPC13GG?	Query Picture Control	green gain setting for INPUT 4 input return: VPC13GGsxx where sxx = -50 to +50
VPC13BG?	Query Picture Control	blue gain setting for INPUT 4 input return: VPC13BGsxx where sxx = -50 to +50
VPC14BR?	Query Picture Control	brightness setting for INPUT 5 input return: VPC14BRsxx where sxx = -50 to +50
VPC14CO?	Query Picture Control	contrast setting for INPUT 5 input return: VPC14COsxx where sxx = -50 to +50
VPC14SA?	Query Picture Control	saturation setting for INPUT 5 input return: VPC14SAsxx where sxx = -50 to +50
VPC14SH?	Query Picture Control	sharpness setting for INPUT 5 input return: VPC14SHsxx where sxx = -12 to +12
VPC14HU?	Query Picture Control	hue setting for INPUT 5 input return: VPC14HUxxx where sxx = -50 to +50
VPC14RG?	Query Picture Control	red gain setting for INPUT 5 input return: VPC14RGsxx where sxx = -50 to +50
VPC14GG?	Query Picture Control	green gain setting for INPUT 5 input return: VPC14GGsxx where sxx = -50 to +50
VPC14BG?	Query Picture Control	blue gain setting for INPUT 5 input return: VPC14BGsxx where sxx = -50 to +50
VPC15BR?	Query Picture Control	brightness setting for INPUT 6 input return: VPC15BRsxx where sxx = -50 to +50
VPC15CO?	Query Picture Control	contrast setting for INPUT 6 input return: VPC15COsxx where sxx = -50 to +50

VPC15SA?	Query Picture Control	saturation setting for INPUT 6 input	return: VPC15SAsxx where sxx = -50 to +50
VPC15SH?	Query Picture Control	sharpness setting for INPUT 6 input	return: VPC15SHsxx where sxx = -12 to +12
VPC15HU?	Query Picture Control	hue setting for INPUT 6 input	return: VPC15HUxxx where sxx = -50 to +50
VPC15RG?	Query Picture Control	red gain setting for INPUT 6 input	return: VPC15RGsxx where sxx = -50 to +50
VPC15GG?	Query Picture Control	green gain setting for INPUT 6 input	return: VPC15GGsxx where sxx = -50 to +50
VPC15BG?	Query Picture Control	blue gain setting for INPUT 6 input	return: VPC15BGsxx where sxx = -50 to +50
VPC16BR?	Query Picture Control	brightness setting for INPUT 7 input	return: VPC16BRsxx where sxx = -50 to +50
VPC16CO?	Query Picture Control	contrast setting for INPUT 7 input	return: VPC16COsxx where sxx = -50 to +50
VPC16SA?	Query Picture Control	saturation setting for INPUT 7 input	return: VPC16SAsxx where sxx = -50 to +50
VPC16SH?	Query Picture Control	sharpness setting for INPUT 7 input	return: VPC16SHsxx where sxx = -12 to +12
VPC16HU?	Query Picture Control	hue setting for INPUT 7 input	return: VPC16HUxxx where sxx = -50 to +50
VPC16RG?	Query Picture Control	red gain setting for INPUT 7 input	return: VPC16RGsxx where sxx = -50 to +50
VPC16GG?	Query Picture Control	green gain setting for INPUT 7 input	return: VPC16GGsxx where sxx = -50 to +50
VPC16BG?	Query Picture Control	blue gain setting for INPUT 7 input	return: VPC16BGsxx where sxx = -50 to +50
VPC17BR?	Query Picture Control	brightness setting for INPUT 8 input	return: VPC17BRsxx where sxx = -50 to +50
VPC17CO?	Query Picture Control	contrast setting for INPUT 8 input	return: VPC17COsxx where sxx = -50 to +50
VPC17SA?	Query Picture Control	saturation setting for INPUT 8 input	return: VPC17SAsxx where sxx = -50 to +50
VPC17SH?	Query Picture Control	sharpness setting for INPUT 8 input	return: VPC17SHsxx where sxx = -12 to +12
VPC17HU?	Query Picture Control	hue setting for INPUT 8 input	return: VPC17HUxxx where sxx = -50 to +50

VPC17RG? Query Picture Control red gain setting for INPUT 8 input return: VPC17RGsxx  
where sxx = -50 to +50

VPC17GG? Query Picture Control green gain setting for INPUT 8 input return: VPC17GGsxx  
where sxx = -50 to +50

VPC17BG? Query Picture Control blue gain setting for INPUT 8 input return: VPC17BGsxx  
where sxx = -50 to +50

VO1RE? Query Resolution for HDMI 1 output return: VO1REx  
where x=0,1,2,3,...8 (0=Auto, 1=480/576p, 2=720p, 3=1080i, 4=1080p, 5=1080p/24, 6=640x480, 7=800x600, 8=1024x768, 9=1280x1024 )

VO1ARDI? Query Display of Aspect Ratio for HDMI 1 output return: VO1ARDIx  
where x=0,1,2,3,4 (0=4:3, 1=5:4, 2=16:9, 3=2.35:1, 4=User )

VO1ARSC? Query Screen of Aspect Ratio for HDMI 1 output return: VO1ARSCx  
where x=0,1,2,3,4 (0=4:3, 1=5:4, 2=16:9, 3=2.35:1, 4=User )

VO1ARSH? Query Hor. Shift for HDMI 1 output return: VO1ARSHsxx  
where sxx = -50 to +50

VO1ARSV? Query Ver. Shift for HDMI 1 output return: VO1ARSVsxx  
where sxx = -50 to +50

VO1CS? Query Color Space of HDMI 1 output return: VO1CSx  
where x=0,1,2,3 (0=Auto, 1=YCbCr 4:2:2, 2=YCbCr 4:4:4, 3=RGB (PC) 0-255)

VO2RE? Query Resolution for HDMI 2 output return: VO2REx  
where x=0,1,2,3,...7 (0=Auto, 1=480/576i, 2=480/576p, 3=720p, 4=1080i, 5=1080p, 6=1080p/24, 7=640x480 )

VO2ARDI? Query Display of Aspect Ratio for HDMI 1 output return: VO2ARDIx  
where x=0,1,2,3,4 (0=4:3, 1=5:4, 2=16:9, 3=2.35:1, 4=User )

VO2ARSH? Query Hor. Shift for HDMI 2 output return: VO2ARSHsxx  
where sxx = -50 to +50

VO2ARSV? Query Ver. Shift for HDMI 2 output return: VO2ARSVsxx  
where sxx = -50 to +50

VO2CS? Query Color Space of HDMI 2 output return: VO2CSx  
where x=0,1,2,3 (0=Auto, 1=YCbCr 4:2:2, 2=YCbCr 4:4:4, 3=RGB (PC) 0-255)

VTP? Query Test Patterns selection return: VTPx  
where x=0,1,2,3,...10 (0=Off, 2=Multiburst (V), 3=Multiburst (H), 4=Cross Hatch 1, 5=B/W long checked 1, 6=B/W long checked 2, 7=B/W long checked 3, 8= B/W long checked 4, 9=3D checked, 10=Color Bars)

VASVBR? Query VFD bright return: VASVBRx  
where x=0,1,2,3 (0=High 1=Mid, 2=Low, 3=Off)

VASIRC? Query IR Controls return: VASIRCxy  
where x=0,1,2 (0=Front, 1=Rear 2=Both )

where y=0,1 (0=Normal 1=Invert )

VASZM?

Query Zoom selection return: VASZMx

where x=0 to 9 level

VASTR?

Query Trigger output return: VASTRx

where x=0,1,2, (0=Trigger 1 out, 1=Trigger 2 out, 2=Trigger 1 & 2 out)

VAS3D?

Query 3D COMB Filter selection return: VAS3Dx

where x=0,1 (0=Off, 1=On)

VASEDID?

Query Audio EDID Channel selection return: VASEDIDx

where x=0,1 (0=HDMI 1 output port, 1=HDMI 2 output port)