

Category	Sub Category	Command Name	1st Index Dimension	2nd Index Dimension	3rd Index Dimension	Command Value or Enumeration	Command	Response	Type Value	Min Value	Max Value	Default Value	VER_VAR Version
GENERAL	DEVICE TYPE	DEV	NONE	NONE	NONE	ENUM_DEV	?	DEV	Integer	V701 (1024)	V701 (1024)	V701 (1024)	1
		Comment	(READ ONLY) Device type				Value Description : -						
	MACHINE STATE	READY	NONE	NONE	NONE	NO ENUM (see Min / Max values)	*	*	Integer	0	1	0	1
		Comment	(READ ONLY) Ready status of the device, after power up				Value Description : 1 = Device ready						
	MACHINE STATE	DIESE	NONE	NONE	NONE	ENUM_DIESE_REQUEST	#	#	Integer	NONE (0)	COMPATIBLE_MODE (3)	NONE (0)	1
		Comment	Request to send all current command values				Value Description : The device will enumerate all commands, sending current values. The end of enumeration is signaled by resetting this command to 0 (NONE).						
	COMMUNICATION	PING	NONE	NONE	NONE	NO ENUM (see Min / Max values)	SYpig	SYpig	Integer	0	4294967295	0	1
		Comment	Used to test connection and to know if the system is alive				Value Description : 32bits value, device will send back the binary inverted value (example : sending 0x0001F401 it will return 0xFFFF0BFE)						
	COMMAND SET VERSION	VER_VAR_TPP	NONE	NONE	NONE	NO ENUM (see Min / Max values)	TPver	TPver	Integer	0	65535	1	1
		Comment	(READ ONLY) Version of this entire command set, for the current firmware				Value Description : -						
	UPDATER VERSION	VER_UPDATER	NONE	NONE	NONE	NO ENUM (see Min / Max values)	VEupd	VEupd	16-character string	0	127	0	1
		Comment	(READ ONLY) Device firmware version				Value Description : -						
	MAC ADDR	LAN_MAC_ADDRESS	DIM_MACFIELD	NONE	NONE	NO ENUM (see Min / Max values)	ITmac	ITmac	Integer	0	255	0	1
		Comment	(READ ONLY) MAC address of the device LAN connection				Value Description : -						

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DEVICE	INFORMATION	DEVICE_SERIAL_NUM	NONE	NONE	NONE	NO ENUM (see Min / Max values)	Didsn	Didsn	16-character string	0	127	0	1
		Comment	(READ ONLY) Device serial number				Value Description : -						
	TPP CONTROLLERS COUNT	COMM_TPP_NB_OF_CLIENTS	NONE	NONE	NONE	NO ENUM (see Min / Max values)	TPcon	TPcon	Integer	0	5	0	1
		Comment	(READ ONLY) TPP connected controllers count				Value Description : -						
	STANDBY	STDBY_STATUS	NONE	NONE	NONE	NO ENUM (see Min / Max values)	SBsta	SBsta	Integer	0	1	0	1
		Comment	(READ ONLY) Standby status				Value Description : 1 = in standby						
	STANDBY	STDBY_REQUEST	NONE	NONE	NONE	ENUM_STDBY_REQUEST	SBreq	SBreq	Integer	WAKE_UP (0)	SWITCH_OFF (2)	WAKE_UP (0)	1
		Comment	Standby request				Value Description : 1 = Set the device in standby, 0 = Wake up the device						
	STANDBY	STDBY_PROGRESS	NONE	NONE	NONE	NO ENUM (see Min / Max values)	SBprg	SBprg	Integer	0	100	0	1
		Comment	(READ ONLY) Standby operation progress status				Value Description : Unit in percent						
	REBOOT	REBOOT_DEVICE	NONE	NONE	NONE	NO ENUM (see Min / Max values)	SBreb	SBreb	Integer	0	1	0	1
		Comment	Reboot of the device				Value Description : 1 to ask reboot of the device						

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SCREEN	TAKE	COMMUTATION_AVA	NONE	NONE	NONE	NO ENUM (see Min / Max values)	Clava	Clava	Integer	0	1	0	1
		Comment	(READ ONLY) Inputs commutation availability status				Value Description : 1 = Commutation of inputs available						
	TAKE	PRESET_APPLY_REQUEST	NONE	NONE	NONE	NO ENUM (see Min / Max values)	PCrpr	PCrpr	Integer	0	1	0	1
		Comment	Request to apply modification on the preset				Value Description : 1 to load, auto reset						
	AUTO TAKE	PRESET_AUTOAPPLY_MODE	NONE	NONE	NONE	NO ENUM (see Min / Max values)	PCpum	PCpum	Integer	0	1	1	1
		Comment	Enable or not the update request at the end of the preset sending				Value Description : 0 = using of PRESET_APPLY_REQUEST at the end of the preset, 1 = modifications are directly apply						
	TRANSITION	PRESET_FRAME	DIM_SCREEN	NONE	NONE	ENUM_PRESET_FRAME	PCpfr	PCpfr	Integer	1 (0)	2 (1)	1 (0)	1
		Comment	Defines which frame slot is used for preset transition				Value Description : -						
	TRANSITION	PRESET_TRANSITION	NONE	NONE	NONE	ENUM_ELEMENT_TRANSITION	PCtra	PCtra	Integer	CLEANCUT (0)	THRU_FRAME (3)	SEQUENCED_FADE (1)	1
		Comment	Layer transition while opening				Value Description : -						
	TRANSITION	PRESET_DURATION	NONE	NONE	NONE	NO ENUM (see Min / Max values)	PCdur	PCdur	Integer	1	255	10	1
		Comment	Opening transition duration				Value Description : Step of 1/10e of seconds						
	PRESET INPUT	PRESET_BANK_INPUTNUM	DIM_PRESET_BANK_SLOT	NONE	NONE	ENUM_INPUTLAYER	PKinp	PKinp	Integer	NONE (0)	OPTION_2 (9)	NONE (0)	1
		Comment	(READ ONLY) input displayed in the layer of the preset				Value Description : -						
	PRESET NAME	PRESET_BANK_LABEL	DIM_PRESET_BANK_SLOT	NONE	NONE	NO ENUM (see Min / Max values)	PKlab	PKlab	31-character string	0	127	0	1
		Comment	(READ ONLY) Preset user label				Value Description : -						
	PRESET STATUS	PRESET_BANK_VALID	DIM_PRESET_BANK_SLOT	NONE	NONE	NO ENUM (see Min / Max values)	PKval	PKval	Integer	0	1	0	1
		Comment	(READ ONLY) Preset slot validity				Value Description : -						
	PRESET RECALL	PRESET_BANK_RECALL_REQUEST	DIM_PRESET_BANK_SLOT	NONE	NONE	NO ENUM (see Min / Max values)	PKrcr	PKrcr	Integer	0	1	0	1
		Comment	Recall a preset				Value Description : Returns automatically to 0						
	FREEZE	PRESET_FREEZE_ALL	NONE	NONE	NONE	NO ENUM (see Min / Max values)	PFfal	PFfal	Integer	0	1	0	1
		Comment	Freeze everywhere				Value Description : 1 = freeze all layers everywhere						
	SCREEN NAME	SCREEN_LABEL	DIM_SCREEN	NONE	NONE	NO ENUM (see Min / Max values)	SClab	SClab	16-character string	0	127	0	1
		Comment	Screen user label				Value Description : -						
	SCREEN STATUS	SCREEN_STATUS_ENABLE	DIM_SCREEN	NONE	NONE	NO ENUM (see Min / Max values)	SCsse	SCsse	Integer	0	1	0	1
		Comment	(READ ONLY) Current enable status by screen				Value Description : 1 = screen enabled						
	QUICK FRAME	QUICK_FRAME_LIBRARY_SLOT	NONE	NONE	NONE	NO ENUM (see Min / Max values)	QFsel	QFsel	Integer	1	50	1	1
		Comment	Defines which frame is used as the quick frame of the device				Value Description : -						
	QUICK FRAME	QUICK_FRAME_LIBRARY_SLOT_IS_VALID	NONE	NONE	NONE	NO ENUM (see Min / Max values)	QFval	QFval	Integer	0	1	0	1
		Comment	(READ ONLY) Validity status of the quick frame				Value Description : -						
	QUICK FRAME	QUICK_FRAME_READY	NONE	NONE	NONE	NO ENUM (see Min / Max values)	QFrea	QFrea	Integer	0	1	0	1
		Comment	(READ ONLY) Indicate if the frame is ready to be displayed				Value Description : 1 = the Quick frame is ready						
	QUICK FRAME	QUICK_FRAME_FORCE	NONE	NONE	NONE	NO ENUM (see Min / Max values)	QFfor	QFfor	Integer	0	1	0	1
		Comment	Force the frame selected as the "Quick Frame" to be displayed				Value Description : 1 = the Quick frame is forced						
	QUICK FRAME	QUICK_FRAME_DISPLAY_MODE	NONE	NONE	NONE	ENUM_FRAME_DISPLAY_MODE	QFdm0	QFdm0	Integer	CENTERED (0)	1_1 (2)	CENTERED (0)	1
		Comment	Mode for Quick frame				Value Description : -						

	QUICK FRAME	QUICK_FRAME_TRANSITION_TYPE	NONE	NONE	NONE	ENUM_FRAME_TRANSITION	QFtty	QFtty	Integer	CUT (0)	FADE (1)	CUT (0)	1
		Comment	Transition type				Value Description : -						
	QUICK FRAME	QUICK_FRAME_TRANSITION_DURATION	NONE	NONE	NONE	NO ENUM (see Min / Max values)	QFtdu	QFtdu	Integer	0	50	10	1
		Comment	Transition duration				Value Description : Step of 1/10e of seconds						

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LAYER	LAYER INPUT	PE_INPUTNUM	NONE	NONE	NONE	ENUM_INPUTLAYER	PRinp	PRinp	Integer	NONE (0)	OPTION_2 (9)	NONE (0)	1
		Comment	Input displayed in the layer of the preset				Value Description : -						
	PRESET NAME	PRESET_VIEW_BANK_LABEL	DIM_VIEW_BANK_SLOT	NONE	NONE	NO ENUM (see Min / Max values)	PBlab	PBlab	31-character string	0	127	0	1
		Comment	(READ ONLY) View user label				Value Description : -						
	PRESET STATUS	PRESET_VIEW_BANK_VALID	DIM_VIEW_BANK_SLOT	NONE	NONE	NO ENUM (see Min / Max values)	PBval	PBval	Integer	0	1	0	1
		Comment	(READ ONLY) Slot validity				Value Description : -						
	PRESET RECALL	PRESET_VIEW_BANK_RECALL_REQUEST	DIM_VIEW_BANK_SLOT	DIM_SCREEN	DIM_INPUT	NO ENUM (see Min / Max values)	PBrcr	PBrcr	Integer	0	1	0	1
		Comment	Recall a view				Value Description : Returns automatically to 0						
	LAYER RECALL	PRESET_VIEW_BANK_ACTIVE_RECALL_REQUEST	DIM_VIEW_BANK_SLOT	DIM_SCREEN	NONE	NO ENUM (see Min / Max values)	PBirr	PBirr	Integer	0	1	0	1
		Comment	Recall a view to the input displayed in the layer of the preset				Value Description : Returns automatically to 0						

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LIVE INPUT	INPUT SIGNAL DETECTED	SIG_SCAN_VALID	DIM_INPUT	NONE	NONE	NO ENUM (see Min / Max values)	ISsva	ISsva	Integer	0	1	0	1
		Comment	(READ ONLY) Indicates that a plug was scanned and a valid signal was detected				Value Description : 1 = valid signal detected WARNING : due to internal architecture, sometimes some signals cannot be detected on a not active plug						
	INPUT SIGNAL FORMAT	SIG_CURRENT_FORMAT	DIM_INPUT	NONE	NONE	ENUM_IFORMAT_NAME	IScfo	IScfo	Integer	NONE (0)	CUSTOM (73)	NONE (0)	1
		Comment	(READ ONLY) Current format on the plug				Value Description : -						
	INPUT SIGNAL NAME	SIG_CURRENT_FORMAT_NAME	DIM_INPUT	NONE	NONE	NO ENUM (see Min / Max values)	IScfn	IScfn	31-character string	0	127	"NO SIGNAL"	1
		Comment	(READ ONLY) Current format name in ASCII, letter by letter using the 3rd index from 0 up to 15				Value Description : The string is ended with a NULL character if string is smaller than maximum allowed. If string used maximum no NULL character is used						
	INPUT SIGNAL SIZE	SIG_IMAGE_WIDTH	DIM_INPUT	NONE	NONE	NO ENUM (see Min / Max values)	ISiwi	ISiwi	Integer	0	65535	0	1
		Comment	(READ ONLY) User selected width of the image (Takes into account SET_ASPECT_IN and SET_CROP_PREDEF)				Value Description : In pixel						
	INPUT SIGNAL SIZE	SIG_IMAGE_HEIGHT	DIM_INPUT	NONE	NONE	NO ENUM (see Min / Max values)	ISihe	ISihe	Integer	0	65535	0	1
		Comment	(READ ONLY) User selected height of the image (Takes into account SET_ASPECT_IN and SET_CROP_PREDEF)				Value Description : In line						
	INPUT AVAILABILITY	IN_AVAILABLE	DIM_INPUT	NONE	NONE	NO ENUM (see Min / Max values)	INava	INava	Integer	0	1	0	1
		Comment	(READ ONLY) Informs which input is available on the device				Value Description : 1 if the input is available on the device						
	INPUT LABEL	IN_LABEL	DIM_INPUT	NONE	NONE	NO ENUM (see Min / Max values)	INlab	INlab	16-character string	0	127	0	1
		Comment	Input user label				Value Description : -						

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FRAME	FRAME SLOT	PRESET_FRAME_LIBRARY_SLOT	DIM_SCREEN	DIM_PRESET_FRAME	NONE	NO ENUM (see Min / Max values)	PFlib	PFlib	Integer	1	50	1	1
		Comment	Library slot where the frame comes from				Value Description	-					
	FRAME STATUS	PRESET_FRAME_IS_VALID	DIM_SCREEN	DIM_PRESET_FRAME	NONE	NO ENUM (see Min / Max values)	PFval	PFval	Integer	0	1	0	1
		Comment	(READ ONLY) Frame validity				Value Description	-					
	FRAME SIZE	PRESET_FRAME_IMAGE_WIDTH	DIM_SCREEN	DIM_PRESET_FRAME	NONE	NO ENUM (see Min / Max values)	PFIwd	PFIwd	Integer	0	4294967295	0	1
		Comment	(READ ONLY) Current frame width				Value Description	-					
	FRAME SIZE	PRESET_FRAME_IMAGE_HEIGHT	DIM_SCREEN	DIM_PRESET_FRAME	NONE	NO ENUM (see Min / Max values)	PFIhe	PFIhe	Integer	0	4294967295	0	1
		Comment	(READ ONLY) Current frame height				Value Description	-					
	MODE	PRESET_FRAME_DISPLAY_MODE	DIM_SCREEN	DIM_PRESET_FRAME	NONE	ENUM FRAME DISPLAY MODE	PFmod	PFmod	Integer	CENTERED (0)	1_1 (2)	CENTERED (0)	1
		Comment	Frame display mode				Value Description	-					

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AUDIO	MASTER VOLUME	AUDIO_OUTPUT_MASTER_VOLUME	NONE	NONE	NONE	NO ENUM (see Min / Max values)	AUomv	AUomv	Integer	0	192	192	1
		Comment	Master volume of an audio output				Value Description	optimized values 16 = -50dB, 32 = -30dB, 64 = -20dB, 96 = -12dB, 128 = -6dB, 160 = -3dB, 192 = 0dB					
	OUTPUT MUTE	AUDIO_OUTPUT_MASTER_MUTE	NONE	NONE	NONE	NO ENUM (see Min / Max values)	AUmua	AUmua	Integer	0	1	0	1
		Comment	Mute all audio outputs				Value Description	-					
	AUDIO DETECTED	SIG_AUDIO_DETECTED	DIM_INPUT	NONE	NONE	NO ENUM (see Min / Max values)	ISaud	ISaud	Integer	0	1	0	1
		Comment	(READ ONLY) Embedded audio detected in the digital video signal				Value Description	1 = audio signal detected (only embedded audio)					

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LIVE OUTPUT	OUTPUT AVAILABILITY	OUT_AVAILABLE	DIM_OUTPUT	NONE	NONE	NO ENUM (see Min / Max values)	OJava	OJava	Integer	0	1	0	1
		Comment	(READ ONLY) Informs which output is available				Value Description	1 if the output is available					
	OUTPUT ENABLE	OUT_ENABLE	DIM_OUTPUT	NONE	NONE	NO ENUM (see Min / Max values)	OJena	OJena	Integer	0	1	0	1
		Comment	(READ ONLY) informs which output is enable				Value Description	1 if the output is enable					
	OUTPUT NAME	OUT_LABEL	DIM_OUTPUT	NONE	NONE	NO ENUM (see Min / Max values)	OJlab	OJlab	16-character string	0	127	0	1
		Comment	Output user label				Value Description	-					
	OUTPUT SIGNAL FORMAT	OUT_FORMAT_STATUS	DIM_OUTPUT	NONE	NONE	ENUM OFORMAT NAME	OJfst	OJfst	Integer	SDTV_PAL_4_3 (0)	COMPUTER_3840_2160 (123)	COMPUTER_1080p (43)	30
		Comment	(READ ONLY) Format that is currently applied				Value Description	-					
	OUTPUT SIGNAL FORMAT	OUT_RATE_STATUS	DIM_OUTPUT	NONE	NONE	NO ENUM (see Min / Max values)	OJrst	OJrst	Integer	0	125000	60000	1
		Comment	(READ ONLY) Rate frequency status				Value Description	1/1000 of hertz					
	OUTPUT SIGNAL SIZE	OUT_SIZE_H_STATUS	DIM_OUTPUT	NONE	NONE	NO ENUM (see Min / Max values)	OJush	OJush	Integer	0	65535	1920	1
		Comment	(READ ONLY) Output size H (status)				Value Description	-					
	OUTPUT SIGNAL SIZE	OUT_SIZE_V_STATUS	DIM_OUTPUT	NONE	NONE	NO ENUM (see Min / Max values)	OJvsv	OJvsv	Integer	0	65535	1080	1
		Comment	(READ ONLY) Output size V (status)				Value Description	-					
	OUTPUT SIGNAL SIZE	OUT_ASPECT_RATIO	DIM_OUTPUT	NONE	NONE	ENUM ASPECT_RATIO	OJasr	OJasr	Integer	NATIVE (0)	64_27 (8)	NATIVE (0)	1
		Comment	(READ ONLY) Output aspect ratio				Value Description	-					

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PLUG	OUTPUT PLUG STATUS	OUT_PLUG_STATUS	DIM_OUTPUT	DIM_OUTPUT_PLUG	NONE	ENUM_OUTPUT_PLUG_STATUS	OUpIs	OUpIs	Integer	NOT_AVAILABLE (0)	DISABLE_LOOP_INVALID (10)	NOT_AVAILABLE (0)	1
		Comment	(READ ONLY) Output plug status				Value Description	-					
	MONITOR STATUS	OUT_PLUG_MONITOR_DETECTED	DIM_OUTPUT	DIM_OUTPUT_PLUG	NONE	NO ENUM (see Min / Max values)	OUpmd	OUpmd	Integer	0	1	0	1
		Comment	(READ ONLY) Detection of a monitor on the plug (detection is not possible on DVI-A and SDI plug)				Value Description	-					
	MONITOR NAME	OUT_PLUG_MONITOR_NAME	DIM_OUTPUT	DIM_OUTPUT_PLUG	NONE	NO ENUM (see Min / Max values)	OUpmn	OUpmn	16-character string	0	255	0	1
		Comment	(READ ONLY) Detect monitor name (only valid if OUT_PLUG_MONITOR_DETECTED is set to 1)				Value Description	-					

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HDCP	HDCP INPUT ENABLE	IN_HDCP_ENABLE	DIM_INPUT	NONE	NONE	NO ENUM (see Min / Max values)	INhdc	INhdc	Integer	0	1	1	1
		Comment	Enable or disable the HDCP compatibility on this input and plug				Value Description	1 = enable					
	INPUT HDCP STATE	SIG_HDCP	DIM_INPUT	NONE	NONE	NO ENUM (see Min / Max values)	IShdc	IShdc	Integer	0	1	0	1
		Comment	(READ ONLY) HDCP compliance status for this input and plug				Value Description	1 = HDCP detected					
	OUTPUT HDCP WARNING	OUT_PLUG_HDCP_WARNING	DIM_OUTPUT	DIM_OUTPUT_PLUG	NONE	NO ENUM (see Min / Max values)	OUhwa	OUhwa	Integer	0	1	0	1
		Comment	(READ ONLY) Informs that hdcp content is forced to black on this output plug				Value Description	-					
	OUTPUT HDCP STATE	OUT_PLUG_ISHDCP	DIM_OUTPUT	DIM_OUTPUT_PLUG	NONE	NO ENUM (see Min / Max values)	OUIhc	OUIhc	Integer	0	1	0	1
		Comment	(READ ONLY) HDCP status for this output plug				Value Description	1 = the signal on this plug is crypted with HDCP					
	OUTPUT HDCP ENABLE	OUT_PLUG_HDCP_ENABLE	DIM_OUTPUT	DIM_OUTPUT_PLUG	NONE	NO ENUM (see Min / Max values)	OUhdc	OUhdc	Integer	0	1	1	1
		Comment	HDCP Detection enable				Value Description	-					

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GPIO	GPIO	GPO_CURRENT_STATE	DIM_GPIO	NONE	NONE	NO ENUM (see Min / Max values)	GPcst	GPcst	Integer	0	1	0	1
		Comment	(READ ONLY) Current state of the GPIO (open or closed)				Value Description	1 = GPIO is closed					

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PATTERN	PATTERN INHIBIT	OUT_PATTERN_INHIBIT	DIM OUTPUT	NONE	NONE	NO ENUM (see Min / Max values)	OUpin	OUpin	Integer	0	1	1	1
		Comment	Inhibit pattern display				Value Description 1 to inhibit						
	CENTERING FORMAT OUTPUT	OUT_PATTERN_FORMAT_CENTERING	DIM OUTPUT	NONE	NONE	NO ENUM (see Min / Max values)	OUpct	OUpct	Integer	0	1	0	1
		Comment	Enable or not Centering pattern on the format output				Value Description -						
	CENTERING AOI	OUT_PATTERN_AOI_CENTERING	DIM OUTPUT	NONE	NONE	NO ENUM (see Min / Max values)	OUact	OUact	Integer	0	1	0	1
		Comment	Enable or not Centering pattern on the AOI only				Value Description -						
	PATTERN SELECTION	OUT_PATTERN	DIM OUTPUT	NONE	NONE	ENUM OPATTERN TYPE	OUpat	OUpat	Integer	NO_PATTERN (0)	CHECKERBOARD (15)	NO_PATTERN (0)	1
		Comment	Output test pattern				Value Description -						
	PATTERN FIT AREA	OUT_PATTERN_FIT_AREA	DIM OUTPUT	NONE	NONE	ENUM OPATTERN FIT AREA	Oufai	Oufai	Integer	FORMAT (0)	AOI (1)	FORMAT (0)	1
		Comment	Set pattern fit area				Value Description -						
	RED COLOR	OUT_PATTERN_COLOR_R	DIM OUTPUT	NONE	NONE	NO ENUM (see Min / Max values)	OUpcr	OUpcr	Integer	0	1023	0	1
		Comment	Red component of color pattern				Value Description -						
	GREEN COLOR	OUT_PATTERN_COLOR_G	DIM OUTPUT	NONE	NONE	NO ENUM (see Min / Max values)	OUpcg	OUpcg	Integer	0	1023	0	1
		Comment	Green component of color pattern				Value Description -						
	BLUE COLOR	OUT_PATTERN_COLOR_B	DIM OUTPUT	NONE	NONE	NO ENUM (see Min / Max values)	OUpcb	OUpcb	Integer	0	1023	0	1
		Comment	Blue component of color pattern				Value Description -						
	GRID CUSTOM SIZE	OUT_PATTERN_GRID_CUSTOM_H	DIM OUTPUT	NONE	NONE	NO ENUM (see Min / Max values)	OUGch	OUGch	Integer	32	4096	64	1
		Comment	Horizontal grid size				Value Description in pixels						
	GRID CUSTOM SIZE	OUT_PATTERN_GRID_CUSTOM_V	DIM OUTPUT	NONE	NONE	NO ENUM (see Min / Max values)	OUGcv	OUGcv	Integer	16	4096	64	1
		Comment	Vertical grid size				Value Description in lines						
	GRID CUSTOM COLOR	OUT_PATTERN_GRID_CUSTOM_BACK_COLOR	DIM OUTPUT	NONE	NONE	ENUM OPATTERN BACK COLOR	OUGbc	OUGbc	Integer	BLACK (0)	TRANSPARENT (5)	BLACK (0)	1
		Comment	Back color for grid custom pattern				Value Description -						
	GRID CUSTOM THICKNESS	OUT_PATTERN_GRID_CUSTOM_THICKNESS	DIM OUTPUT	NONE	NONE	NO ENUM (see Min / Max values)	OUGct	OUGct	Integer	1	16	1	1
		Comment	Grid internal lines thickness				Value Description -						
	GRID CUSTOM ID	OUT_PATTERN_GRID_CUSTOM_ID	DIM OUTPUT	NONE	NONE	NO ENUM (see Min / Max values)	OUGci	OUGci	Integer	0	1	0	1
		Comment	Enable or not ID inside custom grid				Value Description -						
	CROSSHATCH SIZE	OUT_PATTERN_CROSSHATCH_H	DIM OUTPUT	NONE	NONE	NO ENUM (see Min / Max values)	OUchh	OUchh	Integer	32	4096	256	1
		Comment	Horizontal crosshatch step				Value Description in pixels						
	CROSSHATCH SIZE	OUT_PATTERN_CROSSHATCH_V	DIM OUTPUT	NONE	NONE	NO ENUM (see Min / Max values)	OUchv	OUchv	Integer	32	2160	256	1
		Comment	Vertical crosshatch step				Value Description in lines						
	CHECKERBOARD SIZE	OUT_PATTERN_CHECKERBOARD_H	DIM OUTPUT	NONE	NONE	NO ENUM (see Min / Max values)	OUckh	OUckh	Integer	1	4096	16	1
		Comment	Checkerboard box width				Value Description in pixels						
	CHECKERBOARD SIZE	OUT_PATTERN_CHECKERBOARD_V	DIM OUTPUT	NONE	NONE	NO ENUM (see Min / Max values)	OUckv	OUckv	Integer	1	2160	16	1
		Comment	Checkerboard box height				Value Description in lines						
	CHECKERBOARD COLOR	OUT_PATTERN_CHECKERBOARD_COLOR_INVERT	DIM OUTPUT	NONE	NONE	NO ENUM (see Min / Max values)	Oucki	Oucki	Integer	0	1	0	1
		Comment	Start with a white box or a black box				Value Description -						

PATTERN COLORIMETRY	OUT_PATTERN_DISABLE_COLORIMETRY	DIM_OUTPUT	NONE	NONE	NO ENUM (see Min / Max values)	OUpdc	OUpdc	Integer	0	1	1	1
	Comment	Disable colorimetry settings when a pattern is displayed				Value Description	-					
PATTERN MOVE	OUT_PATTERN_MOVE	DIM_OUTPUT	NONE	NONE	NO ENUM (see Min / Max values)	OUmov	OUmov	Integer	0	1	0	1
	Comment	Enable pattern movement				Value Description	1 to enable pattern movement					

Name	Type	Min Value	Max Value	Comments	VER_VAR Version
DIM_INPUT	ENUM_INPUT	DISPLAY_PORT Value 0	OPTION_2 Value 8	Video inputs	1
DIM_SCREEN	ENUM_SCREEN	1 Value 0	6 Value 5	Screen dimension	1
DIM_OUTPUT	ENUM_OUTPUT	MASTER_MAIN Value 0	SLAVE_OPTION_2 Value 5	Audio or video outputs	1
DIM_OUTPUT_PLUG	ENUM_OUTPUT_PLUG	DISPLAY_PORT Value 0	BNC_CVBS Value 8	All possible output plugs	1
DIM_MACFIELD	NONE (see Min / Max values)	Value 0	Value 5	List of Mac address fields	1
DIM_PRESET_FRAME	ENUM_PRESET_FRAME	1 Value 0	2 Value 1	Preset frame dimension	1
DIM_VIEW_BANK_SLOT	ENUM_VIEW_BANK_SLOT	1 Value 0	64 Value 63	List of views bank slots	1
DIM_PRESET_BANK_SLOT	ENUM_PRESET_BANK_SLOT	1 Value 0	16 Value 15	List of presets bank slots	1
DIM_GPO	ENUM_GPO	1 Value 0	2 Value 1	List of GPO	1

Name	Value Name	Values	Description	Comments	VER_VAR Version
ENUM_DEV	V701	1024	VIO 4K	Devices list	1
ENUM_INPUT	DISPLAY_PORT HDMI_BACK HD15 OPTICAL SDI DVI_D HDMI_FRONT OPTION_1 OPTION_2	0 1 2 3 4 5 6 7 8	Input with DisplayPort plug Input with HDMI plug on back panel Input with HD15 plug Input with an optical SFP plug Input with SDI plug Input with DVI-D plug Input with HDMI plug on front panel Input on option card 1 Input on option card 2	List of Inputs	1
ENUM_ASPECT_RATIO	NATIVE 5_4 4_3 16_10 15_9 16_9 21_9 256_135 64_27	0 1 2 3 4 5 6 7 8	Detected aspect ratio 5/4 (1.25 : 1) aspect ratio 4/3 (1.33 : 1) aspect ratio 16/10 (1.6 : 1) aspect ratio 15/9 (1.66 : 1) aspect ratio 16/9 (1.77 : 1) aspect ratio 21/9 (2.33 : 1) aspect ratio 256/135 (1.89 : 1) aspect ratio 64/27 (2.37 : 1) aspect ratio	List of aspect ratio	20
ENUM_IFORMAT_NAME	NONE INVALID UNKNOWN SDTV_NTSC SDTV_PAL SDTV_SECAM SDTV_480i SDTV_576i EDTV_480p EDTV_576p HDTV_720p HDTV_1035i HDTV_1080i HDTV_1080p PROJ_1200p CINEMA_2K UHDTV_2160p CINEMA_4K CEA_240p CEA_288p CPU_640x350 CPU_640x400 CPU_720x400 CPU_640x480 CPU_800x480 CPU_848x480 CPU_800x600 CPU_1280x600 CPU_1280x720 CPU_1680x720 CPU_1024x768 CPU_1280x768 CPU_1360x768 CPU_1366x768 CPU_1280x800 CPU_1366x800 CPU_1088x817 CPU_1152x864 CPU_1440x900 CPU_1600x900 CPU_1280x960 CPU_1280x1024 CPU_1360x1024 CPU_1400x1050 CPU_1680x1050 CPU_1440x1080	0 1 2 3 4 5 6 7 8 9 10 11 12 13 14 15 16 17 18 19 20 21 22 23 24 25 26 27 28 29 30 31 32 33 34 35 36 37 38 39 40 41 42 43 44 45	NONE INVALID UNKNOWN SDTV NTSC SDTV PAL SDTV SECAM SDTV 480i SDTV 576i EDTV 480p EDTV 576p HDTV 720p HDTV 1035i HDTV 1080i HDTV 1080p Projector specific 1200p CINEMA 2048x1080 UHDTV 3840x2160 CINEMA 4096x2160 CEA861 720x240p CEA861 720x288p CPU 640x350 CPU 640x400 CPU 720x400 CPU VGA CPU WVGA 5/3 CPU WVGA CPU SVGA CPU 1280x600 CPU 720p RGB CPU 1680x720 CPU XGA CPU WXGA CPU SWXGA CPU 1366x768 CPU 800p RGB CPU SWXGA+ CPU 1088x817 CPU 1152x864 CPU 900p RGB CPU 1600x900 CPU 960p RGB CPU SXGA CPU SXGA3 CPU SXGA+ CPU WSXGA+ CPU 1440x1080	Name of the input format/standard	10

	CPU_1920x1080 CPU_2048x1080 CPU_2560x1080 CPU_3840x1080 CPU_4096x1080 CPU_2048x1152 CPU_1600x1200 CPU_1920x1200 CPU_1792x1344 CPU_1856x1392 CPU_1920x1440 CPU_2560x1440 CPU_3440x1440 CPU_2048x1536 CPU_2560x1600 CPU_2560x2048 CPU_1920x2160 CPU_2048x2160 CPU_4096x2160 CPU_CVT CPU_GTF_5_4_RATIO CPU_GTF_4_3_RATIO CPU_GTF_16_10_RATIO CPU_GTF_15_9_RATIO CPU_GTF_16_9_RATIO CPU_1080x1920 CPU_1200x1920 CUSTOM	46 CPU 1080p RGB 47 CPU 2K 48 CPU 2560x1080 49 CPU 3840x1080 50 CPU 4096x1080 51 CPU QVXGA 52 CPU UXGA 53 CPU WUXGA 54 CPU 1792x1344 55 CPU 1856x1392 56 CPU 1920x1440 57 CPU WQHD 58 CPU 3440x1440 59 CPU QXGA 60 CPU WQXGA 61 CPU 2560x2048 62 CPU 1920x2160 63 CPU 2048x2160 64 CPU 4096x2160 65 CPU CVT Timing 66 CPU GTF Timing with 5/4 aspect ratio 67 CPU GTF Timing with 4/3 aspect ratio 68 CPU GTF Timing with 16/10 aspect ratio 69 CPU GTF Timing with 15/9 aspect ratio 70 CPU GTF Timing with 16/9 aspect ratio 71 CPU 1080x1920 72 CPU 1200x1920 73 Format from custom library		
ENUM_SCREEN	1 2 3 4 5 6	0 Screen 1 1 Screen 2 2 Screen 3 3 Screen 4 4 Screen 5 5 Screen 6	List of screens	1
ENUM_OUTPUT	MASTER_MAIN MASTER_OPTION_1 MASTER_OPTION_2 SLAVE_MAIN SLAVE_OPTION_1 SLAVE_OPTION_2	0 Main output of master device 1 Option 1 output of master device 2 Option 2 output of master device 3 Main output of slave device 4 Option 1 output of slave device 5 Option 2 output of slave device	List of outputs	1
ENUM_OUTPUT_PLUG	DISPLAY_PORT HDMI ANALOG_HD15 OPTICAL_SFP SDI DVI_D HDBASET BNC_YPBPR BNC_CVBS	0 DisplayPort plug 1 HDMI plug 2 HD15 plug 3 Optical SFP plug 4 SDI plug 5 DVI-D plug 6 HDBaseT plug 7 3 BNC for YPbPr 8 1 BNC for CVBS	List of output plugs	1
ENUM_OUTPUT_PLUG_STATUS	NOT_AVAILABLE ACTIVE WARNING_EDID_INVALID DISABLE_HDCP DISABLE_FORMAT DISABLE_NO_DISPLAY DISABLE_DISPLAY_OFF DISABLE_CONNECTION_FAILED DISABLE_REF_INCOMPATIBLE FORMAT_NOT_SUPPORT_BY_DISPLAY DISABLE_LOOP_INVALID	0 Plug not available for this output 1 Plug is active for this output 2 Plug is active but monitor EDID is invalid 3 Plug disabled for this output because it do not have HDCP capability 4 Plug disabled for this output because the format is not supported 5 Plug disabled because no display detected 6 Plug disabled because display is off 7 Plug disabled because connection has failed 8 Plug disabled because reference used is not compatible with plug standard 9 Plug disabled display is incompatible with format parameters 10 Plug disabled because no signal detected on input loop	List of status for each plug	10
	SDTV_PAL_4_3 SDTV_PAL_16_9 SDTV_NTSC_4_3 SDTV_NTSC_16_9 CEA861_480i_4_3 CEA861_480i_16_9 EDTV_480p_4_3	0 PAL 4/3 1 PAL 16/9 2 NTSC 4/3 3 NTSC 16/9 4 480i 4/3 5 480i 16/9 6 480p 4/3		

ENUM_OFFORMAT_NAME	EDTV_480P_16_9	7	480p 16/9	List of output format	30
	EDTV_576P_4_3	8	576p 4/3		
	EDTV_576P_16_9	9	576p 16/9		
	HDTV_720p	10	SMPT296M		
	HDTV_1035i	11	SMPT260M		
	HDTV_1080i	12	SMPT274M		
	HDTV_1080sF	13	SMPT274M		
	HDTV_1080p	14	SMPT274M		
	PROJ_1200p	15	Projector specific 1200p		
	CINEMA_2K	16	SMPT428M		
	UHDTV_2160p	17	CEA-861-F		
	CINEMA_4K	18	CEA-861-F		
	COMPUTER_VGA	19	640 x 480 4/3		
	COMPUTER_800_480	20	800 x 480 15/9		
	COMPUTER_SVGA	21	800 x 600 4/3		
	COMPUTER_WVGA	22	848 x 480 16/9		
	COMPUTER_XGA	23	1024 x 768 4/3		
	COMPUTER_1088_817	24	1088 x 817 4/3		
	COMPUTER_1152_864	25	1152 x 864 4/3		
	COMPUTER_720p	26	1280 x 720 16/9		
	COMPUTER_WXGA	27	1280 x 768 15/9		
	COMPUTER_WXGA2	28	1280 x 800 16/9		
	COMPUTER_1280_960	29	1280 x 960 4/3		
	COMPUTER_SXGA	30	1280 x 1024 5/4		
	COMPUTER_1360_768	31	1360 x 768 16/9		
	COMPUTER_1360_1024	32	1360 x 1024 4/3		
	COMPUTER_SWXGAPB	33	1366 x 768 16/9		
	COMPUTER_SWXGAP	34	1366 x 800 15/9		
	COMPUTER_SXGAP	35	1400 x 1050 4/3		
	COMPUTER_900p	36	1440 x 900 16/10		
	COMPUTER_1440_1080	37	1440 x 1080 4/3		
	COMPUTER_1600_900	38	1600 x 900 16/9		
	COMPUTER_UXGA	39	1600 x 1200 4/3		
	COMPUTER_WSXGAP	40	1680 x 1050 16/10		
	COMPUTER_1792_1344	41	1792 x 1344 4/3		
	COMPUTER_1856_1392	42	1856 x 1392		
	COMPUTER_1080p	43	1920 x 1080 16/9		
	COMPUTER_WUXGA	44	1920 x 1200 16/10		
	COMPUTER_1920_1440	45	1920 x 1440 4/3		
	COMPUTER_1920_2160	46	1920 x 2160		
	COMPUTER_2K	47	2048 x 1080		
	COMPUTER_2048_1152	48	2048 x 1152 16/9		
	COMPUTER_QXGA	49	2048 x 1536 4/3		
	COMPUTER_2048_2160	50	2048 x 2160		
	COMPUTER_2560_1080	51	2560 x 1080 21/9		
	COMPUTER_2560_1440	52	2560 x 1440 16/9		
	COMPUTER_WQXGA	53	2560 x 1600 16/10		
	COMPUTER_QSXGA	54	2560 x 2048 4/3		
	COMPUTER_3440_1440	55	3440 x 1440 21/9		
	COMPUTER_3840_1080	56	3840 x 1080		
	COMPUTER_4096_1080	57	4096 x 1080		
	COMPUTER_CUSTOM_1	58	Computer Custom 1		
	COMPUTER_CUSTOM_2	59	Computer Custom 2		
	COMPUTER_CUSTOM_3	60	Computer Custom 3		
	COMPUTER_CUSTOM_4	61	Computer Custom 4		
	COMPUTER_CUSTOM_5	62	Computer Custom 5		
	COMPUTER_CUSTOM_6	63	Computer Custom 6		
	COMPUTER_CUSTOM_7	64	Computer Custom 7		
	COMPUTER_CUSTOM_8	65	Computer Custom 8		
	COMPUTER_CUSTOM_9	66	Computer Custom 9		
	COMPUTER_CUSTOM_10	67	Computer Custom 10		
	COMPUTER_CUSTOM_11	68	Computer Custom 11		
	COMPUTER_CUSTOM_12	69	Computer Custom 12		
	COMPUTER_CUSTOM_13	70	Computer Custom 13		
	COMPUTER_CUSTOM_14	71	Computer Custom 14		
	COMPUTER_CUSTOM_15	72	Computer Custom 15		
	COMPUTER_CUSTOM_16	73	Computer Custom 16		

	COMPUTER_CUSTOM_17 COMPUTER_CUSTOM_18 COMPUTER_CUSTOM_19 COMPUTER_CUSTOM_20 COMPUTER_CUSTOM_21 COMPUTER_CUSTOM_22 COMPUTER_CUSTOM_23 COMPUTER_CUSTOM_24 COMPUTER_CUSTOM_25 COMPUTER_CUSTOM_26 COMPUTER_CUSTOM_27 COMPUTER_CUSTOM_28 COMPUTER_CUSTOM_29 COMPUTER_CUSTOM_30 COMPUTER_CUSTOM_31 COMPUTER_CUSTOM_32 COMPUTER_CUSTOM_33 COMPUTER_CUSTOM_34 COMPUTER_CUSTOM_35 COMPUTER_CUSTOM_36 COMPUTER_CUSTOM_37 COMPUTER_CUSTOM_38 COMPUTER_CUSTOM_39 COMPUTER_CUSTOM_40 COMPUTER_CUSTOM_41 COMPUTER_CUSTOM_42 COMPUTER_CUSTOM_43 COMPUTER_CUSTOM_44 COMPUTER_CUSTOM_45 COMPUTER_CUSTOM_46 COMPUTER_CUSTOM_47 COMPUTER_CUSTOM_48 COMPUTER_CUSTOM_49 COMPUTER_CUSTOM_50 COMPUTER_CUSTOM_51 COMPUTER_CUSTOM_52 COMPUTER_CUSTOM_53 COMPUTER_CUSTOM_54 COMPUTER_CUSTOM_55 COMPUTER_CUSTOM_56 COMPUTER_CUSTOM_57 COMPUTER_CUSTOM_58 COMPUTER_CUSTOM_59 COMPUTER_CUSTOM_60 COMPUTER_CUSTOM_61 COMPUTER_CUSTOM_62 COMPUTER_CUSTOM_63 COMPUTER_CUSTOM_64 AUTO_EDID_FORMAT COMPUTER_3840_2160	74 Computer Custom 17 75 Computer Custom 18 76 Computer Custom 19 77 Computer Custom 20 78 Computer Custom 21 79 Computer Custom 22 80 Computer Custom 23 81 Computer Custom 24 82 Computer Custom 25 83 Computer Custom 26 84 Computer Custom 27 85 Computer Custom 28 86 Computer Custom 29 87 Computer Custom 30 88 Computer Custom 31 89 Computer Custom 32 90 Computer Custom 33 91 Computer Custom 34 92 Computer Custom 35 93 Computer Custom 36 94 Computer Custom 37 95 Computer Custom 38 96 Computer Custom 39 97 Computer Custom 40 98 Computer Custom 41 99 Computer Custom 42 100 Computer Custom 43 101 Computer Custom 44 102 Computer Custom 45 103 Computer Custom 46 104 Computer Custom 47 105 Computer Custom 48 106 Computer Custom 49 107 Computer Custom 50 108 Computer Custom 51 109 Computer Custom 52 110 Computer Custom 53 111 Computer Custom 54 112 Computer Custom 55 113 Computer Custom 56 114 Computer Custom 57 115 Computer Custom 58 116 Computer Custom 59 117 Computer Custom 60 118 Computer Custom 61 119 Computer Custom 62 120 Computer Custom 63 121 Computer Custom 64 122 Extracted from reference plug preferred format 123 Computer 3840 x 2160		
ENUM_OPATTERN_TYPE	NO_PATTERN COLOR VERTICAL_GREY_SCALE HORIZONTAL_GREY_SCALE VERTICAL_COLOR_BAR HORIZONTAL_COLOR_BAR GRID_16_16 GRID_32_32 GRID_CUSTOM SMPTE BURST_H BURST_V VERTICAL_GRADIENT HORIZONTAL_GRADIENT CROSSHATCH CHECKERBOARD	0 No Pattern 1 Color pattern 2 Vertical Grey Scale 3 HorizontalGrey Scale 4 Vertical Color Bar 5 Horizontal Color Bar 6 Grid composed of 16 rectangles in height and width 7 Grid composed of 32 rectangles in height and width 8 Grid composed of user custom rectangle size 9 SMPTE 10 Horizontal Burst 11 Vertical Burst 12 Vertical gradient 13 Horizontal gradient 14 Crosshatch 15 Checkerboard	List of test pattern type	1
	FORMAT	0 Fit pattern in all format		

ENUM_OPATTERN_FIT_AREA	AOI SCREEN	1 Fit pattern in all AOI 2 Fit pattern in all screen	List of pattern fit area	1
ENUM_OPATTERN_BACK_COLOR	BLACK WHITE RED GREEN BLUE TRANSPARENT	0 Back color black 1 Back color white 2 Back color red 3 Back color green 4 Back color blue 5 No back color	List of back color for patterns	1
ENUM_INPUTLAYER	NONE DISPLAY_PORT HDMI_BACK HD15 OPTICAL SDI DVI_D HDMI_FRONT OPTION_1 OPTION_2	0 No input 1 DisplayPort input 2 HDMI Back panel input 3 HD15 input 4 Optical input 5 SDI input 6 DVI-D input 7 HDMI Front panel input 8 Video option 1 input 9 Video option 2 input	List of Inputs assignable on Layers	1
ENUM_ELEMENT_TRANSITION	CLEANCUT SEQUENCED_FADE CLEAN_FADE THRU_FRAME	0 Clean Cut 1 Sequenced Fade 2 Clean Fade 3 Thru Frame	List of transitions	1
ENUM_DIESE_REQUEST	NONE ALL DIFFERENT_FROM_DEFAULTS COMPATIBLE_MODE	0 No Diese request is pending 1 The device will dump all its command values (all index values) 2 The device will dump all its command values except those having the default value 3 Same as "DIFFERENT_FROM_DEFAULTS" except that commands with multiple default values are dumped even if they have the default value	List of "DIESE" possible requests	1
ENUM_STDBY_REQUEST	WAKE_UP STANDBY SWITCH_OFF	0 Wake up the device 1 Set the device in standby 2 Switch off the device, no remote wakeup will be possible	List of standby states	1
ENUM_PRESET_FRAME	1 2	0 Preset frame 1 1 Preset frame 2	List of preset frame	1
ENUM_FRAME_DISPLAY_MODE	CENTERED FULLSCREEN 1_1	0 Set layer aspect to centered 1 Set layer aspect to fullscreen 2 Set layer aspect to 1:1	List of frame display modes	1
ENUM_VIEW_BANK_SLOT	1 2 3 4 5 6 7 8 9 10 11 12 13 14 15 16 17 18 19 20 21 22 23 24 25 26 27 28 29 30 31 32 33	0 View bank slot 1 1 View bank slot 2 2 View bank slot 3 3 View bank slot 4 4 View bank slot 5 5 View bank slot 6 6 View bank slot 7 7 View bank slot 8 8 View bank slot 9 9 View bank slot 10 10 View bank slot 11 11 View bank slot 12 12 View bank slot 13 13 View bank slot 14 14 View bank slot 15 15 View bank slot 16 16 View bank slot 17 17 View bank slot 18 18 View bank slot 19 19 View bank slot 20 20 View bank slot 21 21 View bank slot 22 22 View bank slot 23 23 View bank slot 24 24 View bank slot 25 25 View bank slot 26 26 View bank slot 27 27 View bank slot 28 28 View bank slot 29 29 View bank slot 30 30 View bank slot 31 31 View bank slot 32 32 View bank slot 33	List of View bank slots	1

	34 35 36 37 38 39 40 41 42 43 44 45 46 47 48 49 50 51 52 53 54 55 56 57 58 59 60 61 62 63 64	33 View bank slot 34 34 View bank slot 35 35 View bank slot 36 36 View bank slot 37 37 View bank slot 38 38 View bank slot 39 39 View bank slot 40 40 View bank slot 41 41 View bank slot 42 42 View bank slot 43 43 View bank slot 44 44 View bank slot 45 45 View bank slot 46 46 View bank slot 47 47 View bank slot 48 48 View bank slot 49 49 View bank slot 50 50 View bank slot 51 51 View bank slot 52 52 View bank slot 53 53 View bank slot 54 54 View bank slot 55 55 View bank slot 56 56 View bank slot 57 57 View bank slot 58 58 View bank slot 59 59 View bank slot 60 60 View bank slot 61 61 View bank slot 62 62 View bank slot 63 63 View bank slot 64		
ENUM_PRESET_BANK_SLOT	1 2 3 4 5 6 7 8 9 10 11 12 13 14 15 16	0 Preset bank slot 1 1 Preset bank slot 2 2 Preset bank slot 3 3 Preset bank slot 4 4 Preset bank slot 5 5 Preset bank slot 6 6 Preset bank slot 7 7 Preset bank slot 8 8 Preset bank slot 9 9 Preset bank slot 10 10 Preset bank slot 11 11 Preset bank slot 12 12 Preset bank slot 13 13 Preset bank slot 14 14 Preset bank slot 15 15 Preset bank slot 16	List of Preset bank slots	1
ENUM_GPO	1 2	0 Gpo 1 1 Gpo 2	List of GPO	1
ENUM_FRAME_TRANSITION	CUT FADE	0 Cut transtion 1 Fade transition	Transition list for frames	1