

| Category | Sub Category | Command Name | 1st Index Dimension | 2nd Index Dimension | 3rd Index Dimension | 4th Index Dimension | 5th Index Dimension | Command Value or Enumeration | Command | Response | Min Value | Max Value | Default Value | VER_VAR Version |
|----------|---------------------|------------------------|--|---------------------|---------------------|---------------------|---------------------|-----------------------------------|---------|-------------------|-----------------|------------------------|-----------------|-----------------|
| GENERAL | DEVICE TYPE | DEV Comment | NONE (READ ONLY) Device type | NONE | NONE | NONE | NONE | ENUM_DEV | ? | DEV | EKS550 (257) | QMX150_H (285) | EKS550 (257) | 1 |
| | | | | | | | | | | Value Description | | | | |
| | MACHINE STATE | READY Comment | NONE (READ ONLY) Ready status of the device, after power up | NONE | NONE | NONE | NONE | NO ENUM (see Min / Max values) | * | * | 0 | 1 | 0 | 1 |
| | | | | | | | | | | Value Description | | | | |
| | MACHINE STATE | DIESE Comment | NONE Request to send all current command values | NONE | NONE | NONE | NONE | ENUM_DIESE_REQUEST | # | # | NONE (0) | COMPATIBLE_MODE (3) | NONE (0) | 1 |
| | | | | | | | | | | Value Description | | | | |
| | COMMUNICATION | PING Comment | NONE Used to test connection and to know if the system is alive | NONE | NONE | NONE | NONE | NO ENUM (see Min / Max values) | SYpig | SYpig | 0 | 4294967295 | 0 | 1 |
| | | | | | | | | | | Value Description | | | | |
| | COMMAND SET VERSION | VER_VAR Comment | NONE (READ ONLY) Version of this entire command set, for the current firmware | NONE | NONE | NONE | NONE | NO ENUM (see Min / Max values) | VEvar | VEvar | 0 | 65535 | 11 | 1 |
| | | | | | | | | | | Value Description | | | | |
| | UPDATER VERSION | VER_UPDATER Comment | NONE (READ ONLY) Version of the device firmware | NONE | NONE | NONE | NONE | NO ENUM (see Min / Max values) | VEupd | VEupd | 0 | 4294967295 | 0 | 1 |
| | | | | | | | | | | Value Description | | | | |

8bit 31:0 -> Release, 1 -> BETA
 8bit 24..30 : Major version
 8bit 16..23 : Minor version
 8bit 0..15 : Build version
 example : 33554447 stands for v02.00.15 Release

| Category | Sub Category | Command Name | 1st Index Dimension | 2nd Index Dimension | 3rd Index Dimension | 4th Index Dimension | 5th Index Dimension | Command Value or Enumeration | Command | Response | Min Value | Max Value | Default Value | VER_VAR Version |
|----------|--------------|---|--|---------------------|---------------------|---------------------|---------------------|-----------------------------------|---------|-------------------|-----------------|----------------|---------------|-----------------|
| DEVICE | INFORMATION | DEVICE_STRING Comment | DIM_DEVICE_SN (READ ONLY) Serial name of the device | NONE | NONE | NONE | NONE | NO ENUM (see Min / Max values) | Dldst | Dldst | 0 | 255 | 0 | 1 |
| | | | | | | | | | | Value Description | | | | |
| | INFORMATION | DEVICE_SERIAL_NUM Comment | NONE (READ ONLY) Serial number of the device | NONE | NONE | NONE | NONE | NO ENUM (see Min / Max values) | Dldsn | Dldsn | 0 | 4294967295 | 0 | 1 |
| | | | | | | | | | | Value Description | | | | |
| | MODE | SCREEN_CFG_SWITCHER_MODE Comment | NONE Defines the device switcher mode | NONE | NONE | NONE | NONE | ENUM_SWITCHER_MODE | SGswm | SGswm | MIXER (0) | QUAD (2) | MATRIX (1) | 1 |
| | | | | | | | | | | Value Description | | | | |
| | MODE | SCREEN_CFG_SWITCHER_AUDIO_MODE Comment | NONE Defines the device audio switcher mode | NONE | NONE | NONE | NONE | ENUM_SWITCHER_AUDIO_MODE | SGsam | SGsam | NO_AUDIO (0) | DESEMB (2) | PRESET (1) | 1 |
| | | | | | | | | | | Value Description | | | | |
| | CAPABILITIES | FLAG_MIXER_MODE_AVAILABLE Comment | NONE (READ ONLY) Mixer mode availability | NONE | NONE | NONE | NONE | NO ENUM (see Min / Max values) | DFmix | DFmix | 0 | 1 | 0 | 1 |
| | | | | | | | | | | Value Description | | | | |
| | CAPABILITIES | FLAG_MATRIX_MODE_AVAILABLE Comment | NONE (READ ONLY) Matrix mode availability | NONE | NONE | NONE | NONE | NO ENUM (see Min / Max values) | DFmat | DFmat | 0 | 1 | 0 | 1 |
| | | | | | | | | | | Value Description | | | | |
| | CAPABILITIES | FLAG_QUADRAVISION_MODE_AVAILABLE Comment | NONE (READ ONLY) Quadravision mode availability | NONE | NONE | NONE | NONE | NO ENUM (see Min / Max values) | DFqua | DFqua | 0 | 1 | 0 | 1 |
| | | | | | | | | | | Value Description | | | | |
| | CAPABILITIES | FLAG_MATRIX_MODE_TYPE Comment | NONE (READ ONLY) Matrix mode type | NONE | NONE | NONE | NONE | ENUM_MATRIX_MODE_TYPE | DFmmt | DFmmt | BASIC (0) | COMPLEX (2) | BASIC (0) | 1 |
| | | | | | | | | | | Value Description | | | | |
| | CAPABILITIES | FLAG_MOSAIC_DISPLAY_AVAILABLE Comment | NONE (READ ONLY) Mosaic display availability on the output 2 | NONE | NONE | NONE | NONE | NO ENUM (see Min / Max values) | DFmos | DFmos | 0 | 1 | 0 | 1 |
| | | | | | | | | | | Value Description | | | | |
| | CAPABILITIES | FLAG OSD_AVAILABLE Comment | NONE (READ ONLY) On Screen Display availability | NONE | NONE | NONE | NONE | NO ENUM (see Min / Max values) | DFosd | DFosd | 0 | 1 | 0 | 1 |
| | | | | | | | | | | Value Description | | | | |
| | CAPABILITIES | FLAG_VIDEO_OUT_AVAILABLE Comment | NONE (READ ONLY) Video Output availability | NONE | NONE | NONE | NONE | NO ENUM (see Min / Max values) | DFvdo | DFvdo | 0 | 1 | 0 | 1 |
| | | | | | | | | | | Value Description | | | | |
| | CAPABILITIES | FLAG_LAYER_AVAILABLE Comment | DIM_SWITCHER_MODE DIM_LAYER (READ ONLY) Layer availability, depending on the switcher mode | | NONE | NONE | NONE | NO ENUM (see Min / Max values) | DFlay | DFlay | 0 | 1 | 0 | 1 |
| | | | | | | | | | | Value Description | | | | |
| | CAPABILITIES | FLAG_LAYER_FLIP_AVAILABLE Comment | NONE (READ ONLY) Live Layer content flip availability | NONE | NONE | NONE | NONE | NO ENUM (see Min / Max values) | DFlip | DFlip | 0 | 1 | 0 | 1 |
| | | | | | | | | | | Value Description | | | | |
| | CAPABILITIES | FLAG_BACKGROUND_IS_RESIZEABLE Comment | NONE (READ ONLY) Background live layer availability | NONE | NONE | NONE | NONE | NO ENUM (see Min / Max values) | DFsiz | DFsiz | 0 | 1 | 0 | 1 |
| | | | | | | | | | | Value Description | | | | |

| | | | | | | | | | | | | | |
|--------------|-------------------------------|--|---------------------------|------|------|------|------------------------------------|-------------------|---|----------------|----------------|----------------|---|
| CAPABILITIES | FLAG_TRANSITION_AVAILABLE | DIM_ELEMENT_TRANSITION | DIM_LAYER | NONE | NONE | NONE | NO ENUM (see Min / Max values) | DFtra | DFtra | 0 | 1 | 0 | 1 |
| | Comment | (READ ONLY) Per layer, transitions availability | | | | | | Value Description | 1 if the transition is available for the layer | | | | |
| CAPABILITIES | FLAG_BORDER_STYLE_AVAILABLE | DIM_BORDER_STYLE | NONE | NONE | NONE | NONE | NO ENUM (see Min / Max values) | DFbda | DFbda | 0 | 1 | 0 | 1 |
| | Comment | (READ ONLY) Border style availability | | | | | | Value Description | 1 = available | | | | |
| CAPABILITIES | FLAG_FRAMES_ONLY | NONE | NONE | NONE | NONE | NONE | NO ENUM (see Min / Max values) | DFfro | DFfro | 0 | 1 | 0 | 1 |
| | Comment | (READ ONLY) frames only availability for quick frame (no logo) | | | | | | Value Description | 1 if the device only has frames (no logo) | | | | |
| CAPABILITIES | FLAG_VIDEO_OUT_MODE_RECORDING | NONE | NONE | NONE | NONE | NONE | NO ENUM (see Min / Max values) | DFmvo | DFmvo | 0 | 1 | 0 | 2 |
| | Comment | (READ ONLY) Recording video out mode support | | | | | | Value Description | 1 if the device supports classic video out recording mode | | | | |
| CAPABILITIES | FLAG_VIDEO_OUT_MODE_OUT1 | NONE | NONE | NONE | NONE | NONE | NO ENUM (see Min / Max values) | DFmoa | DFmoa | 0 | 1 | 0 | 2 |
| | Comment | (READ ONLY) Output 1 video out mode support | | | | | | Value Description | 1 if the device supports output 1 mode on video out | | | | |
| CAPABILITIES | FLAG_VIDEO_OUT_MODE_OUT2 | NONE | NONE | NONE | NONE | NONE | NO ENUM (see Min / Max values) | DFmob | DFmob | 0 | 1 | 0 | 2 |
| | Comment | (READ ONLY) Output 2 video out mode support | | | | | | Value Description | 1 if the device supports output 2 mode on video out | | | | |
| CAPABILITIES | FLAG_VIDEO_OUT_SDI_PLUG_ONLY | NONE | NONE | NONE | NONE | NONE | NO ENUM (see Min / Max values) | DFvso | DFvso | 0 | 1 | 0 | 3 |
| | Comment | (READ ONLY) Defines plug configuration of the video out | | | | | | Value Description | 1 if the video out has only the SDI plug | | | | |
| STANDBY | STDBY_STATUS | NONE | NONE | NONE | NONE | NONE | NO ENUM (see Min / Max values) | SBsta | SBsta | 0 | 1 | 0 | 1 |
| | Comment | (READ ONLY) Standby status | | | | | | Value Description | 1 = in standby | | | | |
| STANDBY | STDBY_REQUEST | NONE | NONE | NONE | NONE | NONE | ENUM_STDBY_REQUEST | SBreq | SBreq | WAKE_UP (0) | STANDBY (1) | 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 | NONE | NONE | NO ENUM (see Min / Max values) | SBprg | SBprg | 0 | 100 | 0 | 1 |
| | Comment | (READ ONLY) Progress status of a standby operation | | | | | | Value Description | Unit in percent | | | | |

| Category | Sub Category | Command Name | 1st Index Dimension | 2nd Index Dimension | 3rd Index Dimension | 4th Index Dimension | 5th Index Dimension | Command Value or Enumeration | Command | Response | Min Value | Max Value | Default Value | VER_VAR Version |
|----------|--------------------|---------------------|--|--------------------------------|-------------------------------|-------------------------------|---------------------------------|-----------------------------------|---------|-------------------|---|-----------------------|-----------------|-----------------|
| SCREEN | PRESET RECALL | PRESET_LOAD_REQUEST | DIM_SCREEN_FROM | DIM_PRESET_MEM | DIM_SCREEN_TO | DIM_PRESET_TO | DIM_LOAD_FILTER | NO ENUM (see Min / Max values) | GClrq | GClrq | 0 | 1 | 0 | 1 |
| | | Comment | Load a memorised preset to the Next (Preview) or Current (Program) preset of a screen | | | | | | | Value Description | 1 to request a load DIM_SCREEN_FROM specify the screen number of the memorized preset DIM_PRESET_MEM specify the memory number to recall DIM_SCREEN_TO specify the destination screen DIM_PRESET_TO specify the destination, either Current (Program) or Next (Preview) DIM_LOAD_FILTER specify a value used to avoid recalling some elements from the memory | | | |
| | TAKE | TAKEAVA | DIM_SCREEN | NONE | NONE | NONE | NONE | NO ENUM (see Min / Max values) | GCtav | GCtav | 0 | 1 | 1 | 1 |
| | | Comment | (READ ONLY) Available status of the TAKE | | | | | | | Value Description | 1 = TAKE command can be used | | | |
| | TAKE | TAKE | DIM_SCREEN | NONE | NONE | NONE | NONE | NO ENUM (see Min / Max values) | GCTak | GCTak | 0 | 1 | 0 | 1 |
| | | Comment | Start the transition from Next Preset (Preview) to the Current (Program) Needs to wait until TAKEAVA = 1 | | | | | | | Value Description | 1 = start usable only if TAKEAVA value = 1 | | | |
| | TAKE | TAKE_ALL | NONE | NONE | NONE | NONE | NONE | NO ENUM (see Min / Max values) | GCTal | GCTal | 0 | 1 | 0 | 2 |
| | | Comment | Do the TAKE action on all available screens of the device (Needs to wait until TAKEAVA = 1) | | | | | | | Value Description | 1 = TAKE request | | | |
| | TAKE | TAKEINFO | DIM_SCREEN | NONE | NONE | NONE | NONE | ENUM TAKE_INFO | GCTio | GCTio | ONE_SHOT (0) | AUTO_SEQUENCED (2) | ONE_SHOT (0) | 1 |
| | | Comment | (READ ONLY) Informs which kind of TAKE will be used to do the next transition | | | | | | | Value Description | ONE SHOT = transition will be applied in one step TWO SHOT = transition will be applied in two steps, generally due to frame switching. In this case, TBar will need 2 moves SEQUENCED = transition will be applied in multiple steps, using "CLOSING" and "OPENING" transitions, generally due to the need of too many scalers. In this case, TBar movement will launch a TAKE | | | |
| | TBAR | TBAR | DIM_SCREEN | NONE | NONE | NONE | NONE | NO ENUM (see Min / Max values) | GCTba | GCTba | 0 | 10000 | 0 | 1 |
| | | Comment | TBar position value | | | | | | | Value Description | unit is 1/100 of pourcent to allow very fine moves bigger steps can be used TBar position is absolute, meaning that starting value will be alternatively 0 or 10000 | | | |
| | SCREEN UPDATE | PU_SCREEN_UPDATE | DIM_SCREEN | NONE | NONE | NONE | NONE | NO ENUM (see Min / Max values) | PUScu | PUScu | 1 | 1 | 1 | 1 |
| | | Comment | Indicates the end of preset modifications | | | | | | | Value Description | 1 = Update the screen | | | |
| | PRESET RECALL | STEPBACK | DIM_SCREEN | NONE | NONE | NONE | NONE | NO ENUM (see Min / Max values) | GCsba | GCsba | 0 | 1 | 0 | 1 |
| | | Comment | Load the Previous preset (before TAKE) to the Next preset (Preview) Needs to wait until TAKEAVA = 1 | | | | | | | Value Description | 1 to load, auto reset | | | |
| | PRESET RECALL | RELOAD_PROGRAM | DIM_SCREEN | NONE | NONE | NONE | NONE | NO ENUM (see Min / Max values) | GCrpr | GCrpr | 0 | 1 | 0 | 1 |
| | | Comment | Load the Current preset (Program) to the Next preset (Preview) Needs to wait until TAKEAVA = 1 | | | | | | | Value Description | 1 to load, auto reset | | | |
| | FREEZE | FREEZE_SCREEN | DIM_SCREEN | NONE | NONE | NONE | NONE | NO ENUM (see Min / Max values) | GCfsc | GCfsc | 0 | 1 | 0 | 1 |
| | | Comment | Freeze all layers of a single screen, coherence is not maintained with FREEZE_ALL command | | | | | | | Value Description | 1 = freeze all layers of a screen | | | |
| | FREEZE | FREEZE_ALL | NONE | NONE | NONE | NONE | NONE | NO ENUM (see Min / Max values) | GCfra | GCfra | 0 | 1 | 0 | 2 |
| | | Comment | Freeze all layers on ALL screens | | | | | | | Value Description | 1 = freeze all layers on all screens | | | |
| | QUICK FRAME | QUICK_FRAME | DIM_SCREEN | NONE | NONE | NONE | NONE | NO ENUM (see Min / Max values) | CTqfa | CTqfa | 0 | 1 | 0 | 1 |
| | | Comment | Force the frame selected as the "Quick Frame" to be displayed with a cut transition on a single screen, coherence is not maintained with the QUICK_FRAME_ALL command | | | | | | | Value Description | 1 = the Quick frame is activated | | | |
| | QUICK_FRAME | QUICK_FRAME_ALL | NONE | NONE | NONE | NONE | NONE | NO ENUM (see Min / Max values) | CTqfl | CTqfl | 0 | 1 | 0 | 2 |
| | | Comment | Force the frame selected as the "Quick Frame" to be displayed with a cut transition on ALL screens | | | | | | | Value Description | 1 = Enable quick frame on all device screens | | | |
| | QUICK FRAME | AUTO_QUICK_FRAME | NONE | NONE | NONE | NONE | NONE | NO ENUM (see Min / Max values) | CTaqf | CTaqf | 0 | 1 | 0 | 1 |
| | | Comment | Force the display of the "Quick Frame" when a displayed layer source is lost | | | | | | | Value Description | 1 = the Auto Quick Frame is activated | | | |
| | SCREEN LAYER COUNT | OSCREEN_MAX_LAYERS | DIM_SCREEN | NONE | NONE | NONE | NONE | NO ENUM (see Min / Max values) | SCmly | SCmly | 0 | 4 | 0 | 1 |
| | | Comment | (READ ONLY) Maximum number of live layers available | | | | | | | Value Description | | | | |

| Category | Sub Category | Command Name | 1st Index Dimension | 2nd Index Dimension | 3rd Index Dimension | 4th Index Dimension | 5th Index Dimension | Command Value or Enumeration | Command | Response | Min Value | Max Value | Default Value | VER_VAR Version |
|----------|---------------------|-----------------|--|---------------------|---------------------|---------------------|---------------------|--------------------------------|--|----------|-----------|------------|---------------|-----------------|
| LAYER | LAYER INPUT | PE_INPUTNUM | DIM_SCREEN | DIM_PRESET | DIM_LAYER | NONE | NONE | ENUM_INPUTLAYER | PRInp | PRInp | NONE (0) | COLOR (11) | NONE (0) | 1 |
| | | Comment | Video input displayed in the layer of the preset | | | | | | Value Description: shall be updated with the "PU_SCREEN_UPDATE" command ("PUscu") | | | | | |
| | BORDER STYLE | PE_BORDER_STYLE | DIM_SCREEN | DIM_PRESET | DIM_LAYER | NONE | NONE | ENUM_BORDER_STYLE | PRbst | PRbst | NONE (0) | SHADOW (4) | NONE (0) | 1 |
| | | Comment | Border style | | | | | | Value Description: | | | | | |
| | BORDER TRANSPARENCY | PE_BORDER_ALPHA | DIM_SCREEN | DIM_PRESET | DIM_LAYER | NONE | NONE | NO ENUM (see Min / Max values) | PRbal | PRbal | 0 | 255 | 255 | 1 |
| | | Comment | Transparency (alpha) of the layer's border | | | | | | Value Description: 0 = transparent shall be updated with the "PU_SCREEN_UPDATE" command ("PUscu") | | | | | |
| | FREEZE | FREEZE_LAYER | DIM_SCREEN | DIM_LAYER | NONE | NONE | NONE | NO ENUM (see Min / Max values) | GCfrl | GCfrl | 0 | 1 | 0 | 1 |
| | | Comment | Freeze a single layer | | | | | | Value Description: 1 = freeze the layer | | | | | |
| | PREVIEWED | PREVIEWED_LAYER | NONE | NONE | NONE | NONE | NONE | ENUM_LAYER | GCply | GCply | FRAME (0) | LOGO_2 (6) | PIP_1 (1) | 1 |
| | | Comment | Indicates which layer is currently previewed | | | | | | Value Description: | | | | | |

| Category | Sub Category | Command Name | 1st Index Dimension | 2nd Index Dimension | 3rd Index Dimension | 4th Index Dimension | 5th Index Dimension | Command Value or Enumeration | Command | Response | Min Value | Max Value | Default Value | VER_VAR Version |
|------------|---------------------------|------------------------------|---|---------------------|---------------------|---------------------|---------------------|--------------------------------|--|----------|-----------|-------------------------|--|-----------------|
| LIVE INPUT | INPUT SIGNAL DETECTED | SIG_SCAN_VALID | DIM_INPUT | DIM_IN_PLUG | NONE | NONE | NONE | NO ENUM (see Min / Max values) | ISsva | ISsva | 0 | 1 | 0 | 10 |
| | | 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 | DIM_IN_PLUG | NONE | NONE | NONE | ENUM_IFORMAT_NAME | IScfo | IScfo | NONE (0) | CPU_GTF_16_9_RATIO (56) | NONE (0) | 10 |
| | | Comment | (READ ONLY) Current format on the plug | | | | | | Value Description: | | | | | |
| | INPUT SIGNAL NAME | SIG_CURRENT_FORMAT_NAME | DIM_INPUT | DIM_IN_PLUG | DIM_INPUT_LABEL | NONE | NONE | NO ENUM (see Min / Max values) | IScfn | IScfn | 0 | 255 | (78,79,32,86,65,76,73,68,32,83,73,71,78,65,76,0) | 10 |
| | | Comment | (READ ONLY) Name of the current format 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 | DIM_IN_PLUG | NONE | NONE | NONE | NO ENUM (see Min / Max values) | ISiwi | ISiwi | 0 | 65535 | 0 | 10 |
| | | Comment | (READ ONLY) User selected width of the image (Takes into account SET_ASPECT_IN and SET_CROP_PREFER) | | | | | | Value Description: in pixel | | | | | |
| | INPUT SIGNAL SIZE | SIG_IMAGE_HEIGHT | DIM_INPUT | DIM_IN_PLUG | NONE | NONE | NONE | NO ENUM (see Min / Max values) | ISihe | ISihe | 0 | 65535 | 0 | 10 |
| | | Comment | (READ ONLY) User selected height of the image (Takes into account SET_ASPECT_IN and SET_CROP_PREFER) | | | | | | Value Description: in line | | | | | |
| | INPUT AVAILABILITY | IN_AVAILABLE | DIM_INPUT | NONE | NONE | NONE | NONE | NO ENUM (see Min / Max values) | INava | INava | 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 | | | | | |
| | FREEZE | IN_FREEZE | DIM_INPUT | NONE | NONE | NONE | NONE | NO ENUM (see Min / Max values) | INfrz | INfrz | 0 | 1 | 0 | 1 |
| | | Comment | Freezes an input | | | | | | Value Description: 1 = freeze the input | | | | | |
| | INPUT AUTOSOT | IN_AUTOSOT_INPUT | DIM_INPUT | NONE | NONE | NONE | NONE | NO ENUM (see Min / Max values) | INasi | INasi | 0 | 1 | 0 | 1 |
| | | Comment | Request auto settings of all plugs of an input | | | | | | Value Description: 1 = request | | | | | |
| | INPUT AUTOSOT PROGRESS | IN_AUTOSOT_INPUT_PROGRESS | DIM_INPUT | NONE | NONE | NONE | NONE | NO ENUM (see Min / Max values) | INapi | INapi | 0 | 100 | 0 | 1 |
| | | Comment | (READ ONLY) Progress status of the auto setting input request | | | | | | Value Description: Progress status in percent | | | | | |
| | INPUT AUTOCENTER | IN_AUTOCENTER_INPUT | DIM_INPUT | NONE | NONE | NONE | NONE | ENUM_AUTOCENTER_REQUEST | INain | INain | IDLE (0) | ADVANCE (2) | IDLE (0) | 1 |
| | | Comment | Request auto centering for the active plug of the input | | | | | | Value Description: 2 = complete auto centering (phase, frequency and blankings) | | | | | |
| | INPUT AUTOCENTER PROGRESS | IN_AUTOCENTER_INPUT_PROGRESS | DIM_INPUT | NONE | NONE | NONE | NONE | NO ENUM (see Min / Max values) | INaip | INaip | 0 | 100 | 0 | 1 |
| | | Comment | (READ ONLY) Progress status of the auto centering request | | | | | | Value Description: Progress status in percent | | | | | |

| Category | Sub Category | Command Name | 1st Index Dimension | 2nd Index Dimension | 3rd Index Dimension | 4th Index Dimension | 5th Index Dimension | Command Value or Enumeration | Command | Response | Min Value | Max Value | Default Value | VER_VAR Version |
|------------|--------------|--------------------|--|---------------------|---------------------|---------------------|---------------------|-----------------------------------|-------------------|---------------|-----------|-----------|---------------|-----------------|
| FRAME LOGO | VALIDITY | STILL_FRAME_VALID | DIM_FRAME | NONE | NONE | NONE | NONE | NO ENUM (see Min / Max values) | PSfrv | PSfrv | 0 | 1 | 0 | 1 |
| | | Comment | {READ ONLY} Frame validity | | | | | | Value Description | 1 = valid | | | | |
| | VALIDITY | STILL_LOGO_VALID | DIM_LOGO | NONE | NONE | NONE | NONE | NO ENUM (see Min / Max values) | PSlsv | PSlsv | 0 | 1 | 0 | 1 |
| | | Comment | {READ ONLY} Logo validity | | | | | | Value Description | 1 = valid | | | | |
| | FRAME SIZE | STILL_FRAME_SIZE_H | DIM_FRAME | NONE | NONE | NONE | NONE | NO ENUM (see Min / Max values) | PSfsh | PSfsh | 0 | 32367 | 0 | 1 |
| | | Comment | {READ ONLY} Horizontal size of a frame | | | | | | Value Description | Unit is pixel | | | | |
| | FRAME SIZE | STILL_FRAME_SIZE_V | DIM_FRAME | NONE | NONE | NONE | NONE | NO ENUM (see Min / Max values) | PSfsv | PSfsv | 0 | 32367 | 0 | 1 |
| | | Comment | {READ ONLY} Vertical size of a frame | | | | | | Value Description | Unit is pixel | | | | |
| | LOGO SIZE | STILL_LOGO_SIZE_H | DIM_LOGO | NONE | NONE | NONE | NONE | NO ENUM (see Min / Max values) | PSlsh | PSlsh | 0 | 32367 | 0 | 1 |
| | | Comment | {READ ONLY} Horizontal size of a logo | | | | | | Value Description | Unit is pixel | | | | |
| | LOGO SIZE | STILL_LOGO_SIZE_V | DIM_LOGO | NONE | NONE | NONE | NONE | NO ENUM (see Min / Max values) | PSlsv | PSlsv | 0 | 32367 | 0 | 1 |
| | | Comment | {READ ONLY} Vertical size of a logo | | | | | | Value Description | Unit is pixel | | | | |

| Category | Sub Category | Command Name | 1st Index Dimension | 2nd Index Dimension | 3rd Index Dimension | 4th Index Dimension | 5th Index Dimension | Command Value or Enumeration | Command | Response | Min Value | Max Value | Default Value | VER_VAR Version |
|----------|-----------------|----------------------------|--|-----------------------------|---------------------|---------------------|---------------------|--|-------------------|---|----------------|-----------------------|----------------|-----------------|
| AUDIO | INPUT VOLUME | AUDIO_INPUT_LEVEL | DIM_AUDIO_INPUT | NONE | NONE | NONE | NONE | NO ENUM (see Min / Max values) | AUIle | AUIle | 0 | 255 | 192 | 10 |
| | | Comment | Level of an audio input (after digitalization for analog signals) | | | | | | Value Description | optimized values 16 = -50dB, 32 = -30dB, 64 = -20dB, 96 = -12dB, 128 = -6dB, 160 = -3dB, 192 = 0dB, 224 = 3dB, 255 = 6dB | | | | |
| | MASTER VOLUME | AUDIO_OUTPUT_MASTER_VOLUME | DIM_OUTPUT | NONE | NONE | NONE | NONE | NO ENUM (see Min / Max values) | AUomv | AUomv | 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 | | | | |
| | INPUT MUTE | AUDIO_INPUT_MUTE | DIM_AUDIO_INPUT | NONE | NONE | NONE | NONE | NO ENUM (see Min / Max values) | AUimu | AUimu | 0 | 1 | 0 | 10 |
| | | Comment | Mute an audio input | | | | | | Value Description | 1 = muted | | | | |
| | OUTPUT MUTE | AUDIO_OUTPUT_MUTE | DIM_OUTPUT | NONE | NONE | NONE | NONE | NO ENUM (see Min / Max values) | AUomu | AUomu | 0 | 1 | 0 | 1 |
| | | Comment | Mute an audio output | | | | | | Value Description | 1 = muted | | | | |
| | AUDIO DETECTED | SIG_AUDIO_DETECTED | DIM_INPUT | DIM_IN_PLUG | NONE | NONE | NONE | NO ENUM (see Min / Max values) | ISaud | ISaud | 0 | 1 | 0 | 10 |
| | | Comment | {READ ONLY} Embedded audio detected in the digital video signal | | | | | | Value Description | 1 = audio signal detected (only embedded audio) | | | | |
| | AUDIO SUPPORTED | SIG_AUDIO_SUPPORTED | DIM_INPUT | DIM_IN_PLUG | NONE | NONE | NONE | NO ENUM (see Min / Max values) | ISaus | ISaus | 0 | 1 | 0 | 10 |
| | | Comment | {READ ONLY} Audio signal supported, please note that the device only supports not compressed audio signals | | | | | | Value Description | 1 = audio signal supported | | | | |
| | AUDIO TYPE | SIG_AUDIO_TYPE | DIM_INPUT | DIM_IN_PLUG | NONE | NONE | NONE | ENUM_AUDIO_FORMAT_TYPE | ISaut | ISaut | UNKNOWN (0) | MPEG_SURROUND (17) | UNKNOWN (0) | 10 |
| | | Comment | {READ ONLY} Type of audio signal | | | | | | Value Description | | | | | |
| | INPUT | AUDIO_OUTPUT_DESEMB_INPUT | DIM_OUTPUT | NONE | NONE | NONE | NONE | ENUM_INPUTLAYER | AUodi | AUodi | NONE (0) | 10 (10) | NONE (0) | 1 |
| | | Comment | When DESEMB audio mode is active (Routing mode), indicates the video Input from which the audio is extracted | | | | | | Value Description | | | | | |
| | CURRENT INPUT | AUDIO_OUTPUT_CURRENT_INPUT | DIM_OUTPUT | NONE | NONE | NONE | NONE | ENUM_AUDIO_INPUT | AUoci | AUoci | NONE (0) | 4_HDBASET (24) | NONE (0) | 10 |
| | | Comment | {READ ONLY} Current audio input, in every audio mode | | | | | | Value Description | | | | | |

| Category | Sub Category | Command Name | 1st Index Dimension | 2nd Index Dimension | 3rd Index Dimension | 4th Index Dimension | 5th Index Dimension | Command Value or Enumeration | Command | Response | Min Value | Max Value | Default Value | VER_VAR Version |
|----------|-------------------|-------------------|---|-----------------------------|---------------------|---------------------|---------------------|-----------------------------------|-------------------|----------|--------------------|----------------|---|-----------------|
| PLUG | CURRENT PLUG | IN_PLUG | DIM_INPUT | NONE | NONE | NONE | NONE | ENUM_IN_PLUG | INplg | INplg | ANALOG_HD15 (0) | HDBASET (4) | (DVI,DVI,DVI,DVI,HDMI,HDMI,SDI,SDI,SDI,SDI) | 10 |
| | | Comment | Defines the input active plug | | | | | | Value Description | | | | | |
| | PLUG AVAILABILITY | IN_PLUG_AVAILABLE | DIM_INPUT | DIM_IN_PLUG | NONE | NONE | NONE | NO ENUM (see Min / Max values) | INpav | INpav | 0 | 1 | 0 | 10 |
| | | Comment | {READ ONLY} Informs which plug are available on each inputs | | | | | | Value Description | | | | | |

| Category | Sub Category | Command Name | 1st Index Dimension | 2nd Index Dimension | 3rd Index Dimension | 4th Index Dimension | 5th Index Dimension | Command Value or Enumeration | Command | Response | Min Value | Max Value | Default Value | VER_VAR Version |
|----------|----------------|----------------------------|--|-----------------------------|---------------------|---------------------|---------------------|-----------------------------------|-------------------|-------------|-----------|-----------|---------------|-----------------|
| HDBaseT | LONG REACH | IN_HDBT_LONG_REACH_ENABLE | DIM_INPUT | DIM_IN_PLUG | NONE | NONE | NONE | NO ENUM (see Min / Max values) | INlre | INlre | 0 | 1 | 0 | 11 |
| | | Comment | HDBT Long Reach Mode enable | | | | | | Value Description | 1 to enable | | | | |
| | LONG REACH | OUT_HDBT_LONG_REACH_ENABLE | DIM_OUTPUT | NONE | NONE | NONE | NONE | NO ENUM (see Min / Max values) | OUlre | OUlre | 0 | 1 | 0 | 11 |
| | | Comment | HDBT Long Reach Mode enable | | | | | | Value Description | 1 to enable | | | | |
| | SIGNAL QUALITY | IN_HDBT_SIG_QUALITY_MIN | DIM_INPUT | DIM_IN_PLUG | NONE | NONE | NONE | NO ENUM (see Min / Max values) | INhqm | INhqm | 0 | 255 | 0 | 11 |
| | | Comment | (READ ONLY) HDBT signal quality min (- dB) | | | | | | Value Description | | | | | |
| | SIGNAL QUALITY | IN_HDBT_SIG_QUALITY_MAX | DIM_INPUT | DIM_IN_PLUG | NONE | NONE | NONE | NO ENUM (see Min / Max values) | INhqn | INhqn | 0 | 255 | 0 | 11 |
| | | Comment | (READ ONLY) HDBT signal quality max (- dB) | | | | | | Value Description | | | | | |

| Category | Sub Category | Command Name | 1st Index Dimension | 2nd Index Dimension | 3rd Index Dimension | 4th Index Dimension | 5th Index Dimension | Command Value or Enumeration | Command | Response | Min Value | Max Value | Default Value | VER_VAR Version |
|----------------|-----------------------|-----------------|----------------------------------|-----------------------------|---------------------|---------------------|---------------------|-----------------------------------|-------------------|----------|---------------|-----------------------|-------------------|-----------------|
| INPUT SETTINGS | INPUT ASPECT IN | SET_ASPECT_IN | DIM_INPUT | DIM_IN_PLUG | NONE | NONE | NONE | ENUM_ASPECT_RATIO | IEain | IEain | NATIVE (0) | 21_9 (6) | NATIVE (0) | 10 |
| | | Comment | Input signal aspect ratio in | | | | | | Value Description | | | | | |
| | INPUT ASPECT OUT | SET_ASPECT_OUT | DIM_INPUT | DIM_IN_PLUG | NONE | NONE | NONE | ENUM_IN_ASPECTOUT | IEaou | IEaou | 1_1 (0) | CROPPED (3) | FULLSCREEN (2) | 10 |
| | | Comment | Input signal aspect ratio out | | | | | | Value Description | | | | | |
| | INPUT PREDEFINED CROP | SET_CROP_PREDEF | DIM_INPUT | DIM_IN_PLUG | NONE | NONE | NONE | ENUM_PREDEF_CROP | IEpcr | IEpcr | NONE (0) | PILLARBOX_1_33 (4) | NONE (0) | 10 |
| | | Comment | Input signal predefined cropping | | | | | | Value Description | | | | | |

| Category | Sub Category | Command Name | 1st Index Dimension | 2nd Index Dimension | 3rd Index Dimension | 4th Index Dimension | 5th Index Dimension | Command Value or Enumeration | Command | Response | Min Value | Max Value | Default Value | VER_VAR Version |
|----------|------------------------|---------------------|---|---------------------------------|---------------------|---------------------|---------------------|-----------------------------------|-------------------|--|-----------|-----------|---------------|-----------------|
| HDCP | OUTPUT HDCP WARNING | OUT_HDCP_WARNING | DIM_OUTPUT | NONE | NONE | NONE | NONE | NO ENUM (see Min / Max values) | OUhwa | OUhwa | 0 | 1 | 0 | 1 |
| | | Comment | (READ ONLY) informs that hdcp content is forced to black on this output | | | | | | Value Description | | | | | |
| | VIDEO OUT HDCP WARNING | VIDOUT_HDCP_WARNING | NONE | NONE | NONE | NONE | NONE | NO ENUM (see Min / Max values) | VOhwa | VOhwa | 0 | 1 | 0 | 1 |
| | | Comment | (READ ONLY) informs that hdcp content is forced to black on current signal output | | | | | | Value Description | | | | | |
| | HDCP INPUT ENABLE | IN_HDCP_ENABLE | DIM_INPUT | DIM_IN_PLUG | NONE | NONE | NONE | NO ENUM (see Min / Max values) | INhdc | INhdc | 0 | 1 | 1 | 10 |
| | | Comment | Enable or disable the HDCP compatibility on this input and plug | | | | | | Value Description | 1 = enable | | | | |
| | INPUT HDCP STATE | SIG_HDCP | DIM_INPUT | DIM_IN_PLUG | NONE | NONE | NONE | NO ENUM (see Min / Max values) | IShdc | IShdc | 0 | 1 | 0 | 10 |
| | | Comment | (READ ONLY) HDCP compliance status for this input and plug | | | | | | Value Description | 1 = HDCP detected | | | | |
| | OUTPUT HDCP STATE | OUT_PLUG_ISHDCP | DIM_OUTPUT | DIM_OUTPUT_PLUG | NONE | NONE | NONE | NO ENUM (see Min / Max values) | OUIhc | OUIhc | 0 | 1 | 0 | 10 |
| | | Comment | (READ ONLY) HDCP status for this output plug | | | | | | Value Description | 1 = the signal on this plug is crypted with HDCP | | | | |

| Category | Sub Category | Command Name | 1st Index Dimension | 2nd Index Dimension | 3rd Index Dimension | 4th Index Dimension | 5th Index Dimension | Command Value or Enumeration | Command | Response | Min Value | Max Value | Default Value | VER_VAR Version |
|----------|---------------|-------------------|---|---------------------|---------------------|---------------------|---------------------|-----------------------------------|-------------------|--|----------------|------------------|----------------|-----------------|
| TIME | VALIDITY | RTC_TIME_IS_VALID | NONE | NONE | NONE | NONE | NONE | NO ENUM (see Min / Max values) | RTval | RTval | 0 | 1 | 0 | 1 |
| | | Comment | (READ ONLY) Validity of the device time | | | | | | Value Description | 1 = device time is valid | | | | |
| | TIME REQUESTS | RTC_REQUESTS | NONE | NONE | NONE | NONE | NONE | ENUM_RTC_REQUEST | RTreq | RTreq | NONE (0) | PROGRAM (2) | NONE (0) | 1 |
| | | Comment | Device time requests | | | | | | Value Description | 0 = no operation, other time commands, from years to seconds are not refreshed 1 = gets current device time, one shot command, automatically returns to 0 2 = sets current device time | | | | |
| | DATE | RTC_YEAR | NONE | NONE | NONE | NONE | NONE | NO ENUM (see Min / Max values) | RTyea | RTyea | 2000 | 2199 | 2000 | 1 |
| | | Comment | Device time, year | | | | | | Value Description | | | | | |
| | DATE | RTC_MONTH | NONE | NONE | NONE | NONE | NONE | ENUM_MONTH | RTmon | RTmon | JANUARY (0) | DECEMBER (11) | JANUARY (0) | 1 |
| | | Comment | Device time, month | | | | | | Value Description | | | | | |
| | DATE | RTC_DAY | NONE | NONE | NONE | NONE | NONE | NO ENUM (see Min / Max values) | RTday | RTday | 1 | 31 | 1 | 1 |
| | | Comment | Device time, day | | | | | | Value Description | | | | | |
| | CLOCK | RTC_HOURS | NONE | NONE | NONE | NONE | NONE | NO ENUM (see Min / Max values) | RThou | RThou | 0 | 23 | 0 | 1 |
| | | Comment | Device time, hour | | | | | | Value Description | | | | | |
| | CLOCK | RTC_MINUTES | NONE | NONE | NONE | NONE | NONE | NO ENUM (see Min / Max values) | RTmin | RTmin | 0 | 59 | 0 | 1 |
| | | Comment | Device time, minute | | | | | | Value Description | | | | | |
| | CLOCK | RTC_SECONDS | NONE | NONE | NONE | NONE | NONE | NO ENUM (see Min / Max values) | RTsec | RTsec | 0 | 59 | 0 | 1 |
| | | Comment | Device time, second | | | | | | Value Description | | | | | |

| Name | Type | Min Value | Max Value | Comments | VER_VAR Version |
|------------------------|---|--------------------------|-------------------------|---|-----------------|
| DIM_DEVICE_SN | NONE (see Min / Max values) | 0 | 3 | Letters index for the name part of serial number | 1 |
| DIM_SWITCHER_MODE | ENUM SWITCHER_MODE | MIXER | QUAD | Switcher modes | 1 |
| DIM_LAYER | ENUM LAYER | FRAME | AUDIO | Preset layers | 1 |
| DIM_ELEMENT_TRANSITION | ENUM ELEMENT_TRANSITION | CUT | STRETCH | Transitions | 1 |
| DIM_BORDER_STYLE | ENUM BORDER_STYLE | NONE | SHADOW | Border styles | 1 |
| DIM_SCREEN_FROM | ENUM SCREEN | S1 | S2 | Source screen number, used by memory load operations | 1 |
| DIM_PRESET_MEM | ENUM PRESET_MEM_SLOT | 1 | 8 | Preset memory number | 1 |
| DIM_SCREEN_TO | ENUM SCREEN | S1 | S2 | Destination screen number, used by memory load operations | 1 |
| DIM_PRESET_TO | ENUM PRESET | CURRENT | NEXT | Destination preset number, used by memory load operation | 1 |
| DIM_LOAD_FILTER | ENUM LOAD_FILTER | NONE | ALL | Filter value, used by memory load operation | 1 |
| DIM_SCREEN | ENUM SCREEN | S1 | S2 | Screens | 1 |
| DIM_PRESET | ENUM PRESET | CURRENT | PREVIOUS | Presets | 1 |
| DIM_INPUT | ENUM INPUT | 1 | 10 | Video inputs | 1 |
| DIM_IN_PLUG | ENUM IN_PLUG | ANALOG_HD15 | HDBASET | All possible input plugs | 10 |
| DIM_INPUT_LABEL | NONE (see Min / Max values) | 0 | 15 | Letters index for input format labels | 1 |
| DIM_FRAME | ENUM STILL | FRAME_1 | FRAME_8 | Still pictures frames | 1 |
| DIM_LOGO | ENUM STILL | LOGO_1 | LOGO_8 | Still pictures logos | 1 |
| DIM_AUDIO_INPUT | ENUM AUDIO_INPUT | 1_ANALOG | 4_HDBASET | Audio inputs | 10 |
| DIM_OUTPUT | ENUM OUTPUT | 1 | 2 | Audio or video outputs | 1 |
| DIM_OUTPUT_PLUG | ENUM OUTPUT_PLUG | ANALOG_HD15 | HDBASET | All possible output plugs | 10 |

| Name | Value Name | Values | Description | Comments | VER_VAR Version |
|--------------------------|-------------------------|--------|--|-----------------------------------|-----------------|
| ENUM_DEV | EKS550 | 257 | Eikos2 device | Devices list | 10 |
| | SPX450 | 258 | Saphyr device | | |
| | PLS350 | 259 | Pulse2 device | | |
| | SMX250 | 260 | SmartMatrix2 device | | |
| | QMX150 | 261 | QuickMatrix device | | |
| | QVU150 | 262 | QuickVu device | | |
| | SPX450_H | 282 | Saphyr device | | |
| | PLS350_H | 283 | Pulse2 device | | |
| | SMX250_H | 284 | SmartMatrix2 device | | |
| ENUM_DIESE_REQUEST | QMX150_H | 285 | QuickMatrix device | List of "DIESE" possible requests | 1 |
| | NONE | 0 | No Diese request is pending | | |
| | ALL | 1 | The device will dump all its command values (all index values) | | |
| | DIFFERENT FROM DEFAULTS | 2 | The device will dump all its command values except those having the default value | | |
| ENUM_SWITCHER_MODE | COMPATIBLE_MODE | 3 | Same as "DIFFERENT FROM DEFAULTS" except that commands with multiple default values are dumped even if they have the default value | List of device modes | 1 |
| | MIXER | 0 | Mixer mode | | |
| | MATRIX | 1 | Matrix mode | | |
| ENUM_SWITCHER_AUDIO_MODE | QUAD | 2 | Quadravision mode | List of switcher audio mode | 1 |
| | NO_AUDIO | 0 | No audio | | |
| | PRESET | 1 | Audio switching follow the preset editing and take | | |
| ENUM_MATRIX_MODE_TYPE | DESEMB | 2 | Audio is decorrelated of video | List of matrix mode types | 1 |
| | BASIC | 0 | 1 Backgroud live layer | | |
| | MEDIUM | 1 | 1 Backgroud live layer + 1 PIP | | |
| ENUM_LAYER | COMPLEX | 2 | 1 Frame + 2 PIP + 1 logo | List of layers | 1 |
| | FRAME | 0 | Background frame | | |
| | PIP_1 | 1 | Picture in Picture 1 layer | | |
| | PIP_2 | 2 | Picture in Picture 2 layer | | |
| | PIP_3 | 3 | Picture in Picture 3 layer | | |
| | PIP_4 | 4 | Picture in Picture 4 layer | | |
| | LOGO_1 | 5 | Logo1 layer | | |
| | LOGO_2 | 6 | Logo 2 layer | | |
| ENUM_ELEMENT_TRANSITION | AUDIO | 7 | Audio layer | List of transitions | 1 |
| | CUT | 0 | Cut | | |
| | CLEAN_CUT | 1 | Clean Cut | | |
| | FADE | 2 | Fade | | |
| | SLIDE | 3 | Slide | | |
| | WIPE | 4 | Wipe | | |
| ENUM_BORDER_STYLE | CIRCLE | 5 | Circle | List of border styles | 1 |
| | STRETCH | 6 | Stretch | | |
| | NONE | 0 | No border on PiP | | |
| | EDGE | 1 | Edge border on PiP | | |
| ENUM_STDBY_REQUEST | SMOOTH | 2 | Smooth border on PiP | List of standby states | 1 |
| | SMOOTH_EDGE | 3 | Smooth Edge border on PiP | | |
| | SHADOW | 4 | Shadow on PiP | | |
| ENUM_SCREEN | WAKE_UP | 0 | Wake up the device | List of screens | 1 |
| | STANDBY | 1 | Set the device in standby | | |
| ENUM_PRESET_MEM_SLOT | S1 | 0 | Screen 1 | List of preset memory slots | 1 |
| | S2 | 1 | Screen 2 | | |
| | 1 | 0 | Preset Memory slot 1 | | |
| | 2 | 1 | Preset Memory slot 2 | | |
| | 3 | 2 | Preset Memory slot 3 | | |
| | 4 | 3 | Preset Memory slot 4 | | |
| | 5 | 4 | Preset Memory slot 5 | | |
| | 6 | 5 | Preset Memory slot 6 | | |
| ENUM_PRESET | 7 | 6 | Preset Memory slot 7 | List of presets | 1 |
| | 8 | 7 | Preset Memory slot 8 | | |
| | CURRENT | 0 | Current preset (Program) | | |
| | NEXT | 1 | Next preset (Preview) | | |
| | PREVIOUS | 2 | Previous preset | | |

| | | | | | |
|-------------------------|--|--|---|-------------------------------------|----|
| ENUM_LOAD_FILTER | NONE SCALE SOURCE POS SIZE TRANSPARENCY CROPPING BORDER TRANSITION TIMING EFFECTS AUDIO ALL | 0 1 2 4 8 16 32 64 128 256 512 1023 | No filter Auto-Scale filtered Source filtered Pos/Size filtered Transparency filtered Cropping filtered Border filtered Transition filtered Timing filtered Effects filtered Audio layer filtered All filtered (useless) | List of filter used by preset load | 1 |
| ENUM_TAKE_INFO | ONE_SHOT TWO_SHOT AUTO_SEQUENCED | 0 1 2 | TAKE will be done in one time TAKE will be done in two times Sequenced TAKE | List of TAKE mode | 1 |
| ENUM_INPUTLAYER | NONE 1 2 3 4 5 6 7 8 9 10 COLOR | 0 1 2 3 4 5 6 7 8 9 10 11 | No input Input or Frame 1 Input or Frame 2 Input or Frame 3 Input or Frame 4 Input or Frame 5 Input or Frame 6 Input or Frame 7 Input or Frame 8 Input or Frame 9 Input or Frame 10 Color (or Black) fill the PiP | List of Inputs assignable on Layers | 1 |
| ENUM_INPUT | 1 2 3 4 5 6 7 8 9 10 | 0 1 2 3 4 5 6 7 8 9 | Input 1 Input 2 Input 3 Input 4 Input 5 Input 6 Input 7 Input 8 Input 9 Input 10 | List of Inputs | 1 |
| ENUM_IN_PLUG | ANALOG_HD15 DVI SDI HDMI HDBASET | 0 1 2 3 4 | Plug of analog type (HD15 socket) Plug of DVI type (Single or dual link) Plug of SDI type Plug of HDMI type Plug of HDBaseT | List of input plugs | 10 |

| | | | | | |
|-------------------------|---------------------|----|--|-----------------------------------|---|
| ENUM_IFORMAT_NAME | NONE | 0 | NONE | Name of the input format/standard | 1 |
| | INVALID | 1 | INVALID | | |
| | UNKNOWN | 2 | UNKNOWN | | |
| | SDTV_NTSC | 3 | SDTV_NTSC | | |
| | SDTV_PAL | 4 | SDTV_PAL | | |
| | SDTV_SECAM | 5 | SDTV_SECAM | | |
| | SDTV_480i | 6 | SDTV_480i | | |
| | SDTV_576i | 7 | SDTV_576i | | |
| | EDTV_480p | 8 | EDTV_480p | | |
| | EDTV_576p | 9 | EDTV_576p | | |
| | HDTV_720p | 10 | HDTV_720p | | |
| | HDTV_1035i | 11 | HDTV_1035i | | |
| | HDTV_1080i | 12 | HDTV_1080i | | |
| | HDTV_1080p | 13 | HDTV_1080p | | |
| | HDTV_2K | 14 | HDTV_2048x1080 Cinema | | |
| | CEA_240p | 15 | CEA861 720x240p | | |
| | CEA_288p | 16 | CEA861 720x288p | | |
| | CPU_640x350 | 17 | CPU 640x350 | | |
| | CPU_640x400 | 18 | CPU 640x400 | | |
| | CPU_720x400 | 19 | CPU 720x400 | | |
| | CPU_640x480 | 20 | CPU VGA | | |
| | CPU_800x480 | 21 | CPU WVGA 5/3 | | |
| | CPU_848x480 | 22 | CPU WVGA | | |
| | CPU_800x600 | 23 | CPU SVGA | | |
| | CPU_1280x600 | 24 | CPU 1280x600 | | |
| | CPU_1280x720 | 25 | CPU 720p RGB | | |
| | CPU_1024x768 | 26 | CPU XGA | | |
| | CPU_1280x768 | 27 | CPU WXGA | | |
| | CPU_1360x768 | 28 | CPU SWXGA | | |
| | CPU_1366x768 | 29 | CPU 1366x768 | | |
| | CPU_1280x800 | 30 | CPU 800p RGB | | |
| | CPU_1366x800 | 31 | CPU SWXGA+ | | |
| | CPU_1152x864 | 32 | CPU 1152x864 | | |
| | CPU_1440x900 | 33 | CPU 900p RGB | | |
| | CPU_1600x900 | 34 | CPU 1600x900 | | |
| | CPU_1280x960 | 35 | CPU 960p RGB | | |
| | CPU_1280x1024 | 36 | CPU SXGA | | |
| | CPU_1360x1024 | 37 | CPU SXGA3 | | |
| | CPU_1400x1050 | 38 | CPU SXGA+ | | |
| | CPU_1680x1050 | 39 | CPU WSXGA+ | | |
| | CPU_1920x1080 | 40 | CPU 1080p RGB | | |
| | CPU_2048x1080 | 41 | CPU 2K | | |
| | CPU_2048x1152 | 42 | CPU QWXGA | | |
| | CPU_1600x1200 | 43 | CPU UXGA | | |
| | CPU_1920x1200 | 44 | CPU WUXGA | | |
| | CPU_1792_1344 | 45 | CPU 1792x1344 | | |
| | CPU_1856x1392 | 46 | CPU 1856x1392 | | |
| | CPU_1920x1440 | 47 | CPU 1920x1440 | | |
| | CPU_2560x1440 | 48 | CPU WQHD | | |
| | CPU_2048x1536 | 49 | CPU QXGA | | |
| | CPU_2560x1600 | 50 | CPU WQXGA | | |
| | CPU_CVT | 51 | CPU CVT Timing | | |
| | CPU_GTF_5_4_RATIO | 52 | CPU GTF Timing with 5/4 aspect ratio | | |
| | CPU_GTF_4_3_RATIO | 53 | CPU GTF Timing with 4/3 aspect ratio | | |
| | CPU_GTF_16_10_RATIO | 54 | CPU GTF Timing with 16/10 aspect ratio | | |
| | CPU_GTF_15_9_RATIO | 55 | CPU GTF Timing with 15/9 aspect ratio | | |
| | CPU_GTF_16_9_RATIO | 56 | CPU GTF Timing with 16/9 aspect ratio | | |
| ENUM_AUTOCENTER_REQUEST | IDLE | 0 | All requests have been executed | List of auto centering requests | 1 |
| | QUICK | 1 | Quick auto centering (Phase and Blankings, not pixels frequency) | | |
| | ADVANCE | 2 | Advanced auto centering (pixel frequency, phase and blankings) | | |

| | | | | | |
|------------------------|---------------|----|---|------------------------------------|----|
| ENUM_STILL | FRAME_1 | 0 | Frame 1 | List of available frames and logos | 1 |
| | FRAME_2 | 1 | Frame 2 | | |
| | FRAME_3 | 2 | Frame 3 | | |
| | FRAME_4 | 3 | Frame 4 | | |
| | FRAME_5 | 4 | Frame 5 | | |
| | FRAME_6 | 5 | Frame 6 | | |
| | FRAME_7 | 6 | Frame 7 | | |
| | FRAME_8 | 7 | Frame 8 | | |
| | LOGO_1 | 8 | Logo 1 | | |
| | LOGO_2 | 9 | Logo 2 | | |
| | LOGO_3 | 10 | Logo 3 | | |
| | LOGO_4 | 11 | Logo 4 | | |
| | LOGO_5 | 12 | Logo 5 | | |
| | LOGO_6 | 13 | Logo 6 | | |
| | LOGO_7 | 14 | Logo 7 | | |
| | LOGO_8 | 15 | Logo 8 | | |
| ENUM_AUDIO_INPUT | NONE | 0 | None | List of audio inputs | 10 |
| | 1_ANALOG | 1 | Input 1 Analog | | |
| | 2_ANALOG | 2 | Input 2 Analog | | |
| | 3_ANALOG | 3 | Input 3 Analog | | |
| | 4_ANALOG | 4 | Input 4 Analog | | |
| | 1_DVI | 5 | Input 1 DVI | | |
| | 2_DVI | 6 | Input 2 DVI | | |
| | 3_DVI | 7 | Input 3 DVI | | |
| | 4_DVI | 8 | Input 4 DVI | | |
| | 3_HDMI | 9 | Input 3 HDMI | | |
| | 4_HDMI | 10 | Input 4 HDMI | | |
| | 5_HDMI | 11 | Input 5 HDMI | | |
| | 6_HDMI | 12 | Input 6 HDMI | | |
| | 7_SDI | 13 | Input 7 SDI | | |
| | 8_SDI | 14 | Input 8 SDI | | |
| | 9_SDI | 15 | Input 9 SDI | | |
| | 10_SDI | 16 | Input 10 SDI | | |
| | SPDIF_1 | 17 | Input SPDIF 1 | | |
| | SPDIF_2 | 18 | Input SPDIF 2 | | |
| | 1_HDMI | 19 | Input 1 HDMI | | |
| | 2_HDMI | 20 | Input 2 HDMI | | |
| | 1_HDBASET | 21 | Input 1 HDBaseT | | |
| | 2_HDBASET | 22 | Input 2 HDBaseT | | |
| | 3_HDBASET | 23 | Input 3 HDBaseT | | |
| | 4_HDBASET | 24 | Input 4 HDBaseT | | |
| ENUM_OUTPUT | 1 | 0 | Output 1 | List of outputs | 1 |
| | 2 | 1 | Output 2 | | |
| ENUM_AUDIO_FORMAT_TYPE | UNKNOWN | 0 | Unknown audio format type | List of audio stream format types | 1 |
| | PCM | 1 | PCM (Pulse Code Modulation) audio format type | | |
| | AC_3 | 2 | AC 3 audio format type | | |
| | MPEG_1 | 3 | MPEG 1 audio format type | | |
| | MP3 | 4 | MP3 audio format type | | |
| | MPEG_2 | 5 | MPEG 2 audio format type | | |
| | AAC_LC | 6 | AAC LC audio format type | | |
| | DTS | 7 | DTS audio format type | | |
| | ATRAC | 8 | ATRAC audio format type | | |
| | DSD | 9 | DSD audio format type | | |
| | E_AC_3 | 10 | Extended AC 3 audio format type | | |
| | DTS_HD | 11 | DTS HS audio format type | | |
| | MLP | 12 | MLP audio format type | | |
| | DST | 13 | DST audio format type | | |
| | WMA_PRO | 14 | WMA Pro audio format type | | |
| | HE_AAC | 15 | HE AAC audio format type | | |
| | HE_AAC_V2 | 16 | HE AAC audio format type | | |
| | MPEG_SURROUND | 17 | MPEG Surround audio format type | | |
| ENUM_ASPECT_RATIO | NATIVE | 0 | Detected aspect ratio | List of aspect ratio | 1 |
| | 5_4 | 1 | 5/4 (1.25 : 1) aspect ratio | | |
| | 4_3 | 2 | 4/3 (1.33 : 1) aspect ratio | | |
| | 16_10 | 3 | 16/10 (1.6 : 1) aspect ratio | | |
| | 15_9 | 4 | 15/9 (1.66 : 1) aspect ratio | | |
| | 16_9 | 5 | 16/9 (1.77 : 1) aspect ratio | | |
| | 21_9 | 6 | 21/9 (2.33 : 1) aspect ratio | | |

| | | | | | |
|-------------------|----------------|----|--|--|----|
| ENUM_IN_ASPECTOUT | 1_1 | 0 | 1:1, not distorted, no zoom, black bands or cropped | List of "Out" aspect ratio adjustments | 1 |
| | CENTERED | 1 | centered, not distorted, black bands added | | |
| | FULLSCREEN | 2 | full screen, distorted, input aspect ratio not preserved | | |
| | CROPPED | 3 | cropped , not distorted, without black bands | | |
| ENUM_PREDEF_CROP | NONE | 0 | No predefined crop | List of predefined croppings | 1 |
| | LETTERBOX_1_78 | 1 | Letterbox 1.78 : 1 means that a 16/9 content has been inserted in a narrow aspect ratio video | | |
| | LETTERBOX_1_85 | 2 | Letterbox 1.85 : 1 means that a cinema 1.85 : 1 content has been inserted in a narrow aspect ratio video | | |
| | LETTERBOX_2_35 | 3 | Letterbox 2.35 : 1 means that a cinema 2.35 : 1 content has been inserted in a narrow aspect ratio video | | |
| ENUM_OUTPUT_PLUG | PILLARBOX_1_33 | 4 | Pillarbox 1.33 : 1 means that a 4/3 content has been inserted in a wider aspect ratio video | List of output plugs | 10 |
| | ANALOG_HD15 | 0 | HD15 plug | | |
| | ANALOG_DVI_A | 1 | DVI-A plug | | |
| | DVI_D | 2 | DVI-D plug | | |
| ENUM_RTC_REQUEST | SDI | 3 | SDI plug | List of device time requests | 1 |
| | BNC_YPBPR | 4 | Plug with 3 BNC for YPbPr | | |
| | BNC_CVBS | 5 | Plug with 1 BNC for CVBS | | |
| | HDMI | 6 | HDMI | | |
| ENUM_MONTH | HDBASET | 7 | HDBaseT | List of month | 1 |
| | NONE | 0 | No request | | |
| | REFRESH | 1 | Refresh time request | | |
| | PROGRAM | 2 | Program new time request | | |
| ENUM_MONTH | JANUARY | 0 | JANUARY | List of month | 1 |
| | FEBRUARY | 1 | FEBRUARY | | |
| | MARCH | 2 | MARCH | | |
| | APRIL | 3 | APRIL | | |
| | MAY | 4 | MAY | | |
| | JUNE | 5 | JUNE | | |
| | JULY | 6 | JULY | | |
| | AUGUST | 7 | AUGUST | | |
| | SEPTEMBER | 8 | SEPTEMBER | | |
| | OCTOBER | 9 | OCTOBER | | |
| | NOVEMBER | 10 | NOVEMBER | | |
| | DECEMBER | 11 | DECEMBER | | |
| | | | | | |