

1 LUMAGEN DIRECT COMMANDS

1.1 OUTPUT TYPE

RGB H-V-:	MENU 0 1 2 OK	RGB with discrete H- and V- sync (factory default)
RGB H+V+:	MENU 0 1 2 ▲ OK	RGB with discrete H+ and V+ sync
RGB H+V-:	MENU 0 1 2 ► OK	RGB with discrete H+ and V- sync
RGB H-V+:	MENU 0 1 2 ▲ ◀ OK	RGB with discrete H- and V+ sync
RGB CSync-:	MENU 0 1 3 OK	RGB with discrete composite negative sync
RGB CSync+:	MENU 0 1 3 ▲ OK	RGB with discrete composite positive sync
RGsB trilevel:	MENU 0 1 4 OK	RGB with embedded trilevel sync
RGsB bilevel:	MENU 0 1 4 ▼ OK	RGB with embedded bilevel sync
YP _R P _B trilevel:	MENU 0 1 1 OK	Component with embedded trilevel sync
YP _R P _B bilevel:	MENU 0 1 1 ▼ OK	Component with embedded bilevel sync

1.2 OUTPUT VERTICAL RESOLUTION

480p:	MENU 0 2 1	Progressive with 480 active scanlines
540p:	MENU 0 2 2	Progressive with 540 active scanlines
600p:	MENU 0 2 3	Progressive with 600 active scanlines
720p:	MENU 0 2 4	Progressive with 720 active scanlines
768p:	MENU 0 2 5	Progressive with 768 active scanlines
840p:	MENU 0 2 6	Progressive with 840 active scanlines
1080p:	MENU 0 2 7	Progressive with 1080 active scanlines
1080i:	MENU 0 2 8	Interlaced with 1080 active scanlines
Programmed:	MENU 0 3 value OK	Progressive. Example (960p): MENU 3 9 6 0 OK

1.3 OUTPUT VERTICAL RATE (in hundredths)

Set vertical rate: **MENU 0 4 value OK** Example (59.94 Hz): MENU 4 5 9 9 4 OK

1.4 OUTPUT HORIZONTAL RATE (in hundredths) Not used in normally. See Manual

Output aspect ratio: **MENU 0 5 value OK** Example (45 KHz): MENU 5 4 5 0 0 0 OK

1.5 OUTPUT MISCELLANEOUS

Out PLL Clock	MENU 0 9 3 3	Output PLL clock frequency. Use with caution.
Out Timing	MENU 0 9 4 1	Output Timing
Out Size	MENU 0 9 4 2	Output Size
Out HSync width	MENU 0 9 4 0	Horizontal-Sync width

1.6 OUTPUT ASPECT RATIO

Output aspect ratio: **MENU 0 6 value OK** Example (16:9=1.78): MENU 6 1 7 8 OK

1.7 SELECT INPUT

Press input number on remote Menu must be off

1.8 SERVICE MODE

Enabling service mode adds some extra entries to the menu for configuration, such as grayscale calibration.

Service mode **MENU 0 9 1 0** Toggle SERVICE MODE. (not saved)

1.9 MISCELLANEOUS COMMANDS

Freeze frame	MENU 0 9 0 0	Freeze picture (RS232 code = 'z'). Any button exits
S/W Rev	MENU 0 9 0 3	Display S/W rev, save-count and serial-number
Menu timeout	MENU 0 9 0 5	Toggle menu timeout. Short (default) or long. (saved)
SERVICE MODE	MENU 0 9 1 0	Toggle SERVICE MODE. (not saved)
Unlock menu	MENU 0 9 1 5	Same as MENU → MISC → LOCK → UNLOCKED , OK
Toggle menu	MENU 0 9 1 6	Toggle power-on menu
Vid/film flag	MENU 0 9 1 8	Show live Vid/Film flog
Input Reselect	MENU 0 9 1 9	Only repond to first input selection (i.e. no OSD message if input reselected. Simplifies remote macros). (saved)
Zoom step	MENU 0 9 2 3	Toggle zoom-step between default and 5%. (saved)
LED Mode	MENU 0 9 2 5	Toggle LED/LCD usage as "activity" or "power." (saved)
Cal HD Analog inputs	MENU 0 9 2 6	Calibrate both HD analog inputs
Change pageflip	MENU 0 9 2 9	Change pageflip between fast/normal
SW update init	MENU 0 9 3 1	Initialize software update downloading
DVI-A output mode	MENU 0 9 3 2	Set DVI/analog output mode
Output pixel clock	MENU 0 9 3 3	Set output pixel clock
TV Black	MENU 0 9 3 6	TV decoder black. (saved)
TV Contrast	MENU 0 9 3 7	TV decoder contrast. (saved)
TV MV Black	MENU 0 9 3 8	TV decoder Macrovision black offset. (saved)
TV MV Contrast	MENU 0 9 3 9	TV decoder Macrovision contrast offset. (saved)
HSync width	MENU 0 9 4 0	Jump to HSync pulse width menu command
Output Timing	MENU 0 9 4 1	Jump to Timing menu command
Output Size	MENU 0 9 4 2	Jump to Output Size menu command
Analog HD sync level	MENU 0 9 4 4	Adjust analog HD input sync level
Cal HD analog input	MENU 0 9 4 6	Calibrate current HD analog input
709>601 error	MENU 0 9 4 8	Reverse 709>601 conversion error
Deint Enable	MENU 0 9 5 1	Toggle deinterlace enable (not saved)
Deint Split -screen	MENU 0 9 5 2	Toggle deinterlace split-screen (not saved)
Deint Coproc	MENU 0 9 5 3	Toggle deinterlace coprocessor enable (not saved)
Deint noise	MENU 0 9 5 4	Deinterlace noise reduction disable toggle (not saved)
No-input OSD	MENU 0 9 6 4	Toggle enable for input no-signal on-screen message (saved)
SDI cable-EQ	MENU 0 9 7 4	Toggle SDI cable equalization (Default = < 10 meter cable)
Genlock	MENU 0 9 8 1	Toggle genlock. Default = off. (saved)
Genlock status	MENU 0 9 8 2	Genlock status (off, locked, unlocked)
Sidebar pan	MENU 0 9 8 7	Toggle Sidebar-pan for antiburn. Default = off. (saved)
Restore from backup	MENU 0 8 8 8	Restore configuration from the saved Backup config
Limit IR commands	MENU 0 9 9 6	Limit IR commands to input changes
Backup config	MENU 0 9 9 7	Save the configuration to the backup memory
Output defaults	MENU 0 9 9 8	Reset current output settings (only) to default for current resolution
Factory defaults	MENU 0 9 9 9	Reset to factory defaults (Must do a save to make this permanent)