



USER MANUAL

MODEL:

IN-OUT

Resolution Guide

Contents

VP-790	1
VP-790 Input Resolutions	1
VP-790 Output Resolutions	2
VP-778	3
VP-778 Input Resolutions	3
VP-778 Output Resolutions	4
VP-772	5
VP-772 Input Resolutions	5
VP-772 Output Resolutions	6
VP-770, VP-771, VP-773, VP-774, VP-773A and VP-774A	7
Input Resolutions	7
Output Resolutions	8
VP-747	9
VP-747 Input Resolutions	9
VP-747 Output Resolutions	11
VP-734	12
VP-734 Input Resolutions	12
VP-734 Output Resolutions	14
VP-732	16
VP-732 Input Resolutions	16
VP-732 Output Resolutions	18
VP-730/731	20
VP-730/731 Input Resolutions	20
VP-730/731 Output Resolutions	22
VP-728/VP-729	23
VP-728/729 Input Resolutions	23
VP-728/VP-729 Output Resolutions	25
VP-725N/VP-725NA	26
VP-725N/A Input Resolutions	26
VP-725N/A Output Resolutions	27
VP-690	28
VP-690 Input Resolutions	28
VP-690 Output Resolutions	28
VP-558	29
VP-558 Input Resolutions	29
VP-558 Output Resolutions	29
VP-553xl	30
VP-553xl Input Resolutions	30
VP-553xl Output Resolutions	30
VP-553	31
VP-553 Input Resolutions	31
VP-553 Output Resolutions	31
VP-506	32
VP-506 Input Resolutions	32
VP-506 Output Resolutions	32
VP-501N	33
VP-501N Input Resolutions	33
VP-501N Output Resolutions	33
VP-483	34
VP-483 Input Resolutions	34
VP-483 Output Resolutions	34
VP-482	35
VP-482 Input Resolutions	35
VP-482 Output Resolutions	35
VP-481	36

VP-481 Input Resolutions	36
VP-481 Output Resolutions	36
VP-480	37
VP-480 Input Resolutions	37
VP-480 Output Resolutions	37
VP-471	38
VP-471 Input Resolutions	38
VP-471 Output Resolutions	38
VP-470	39
VP-470 Input Resolutions	39
VP-470 Output Resolutions	39
VP-461	40
VP-461 Input Resolutions	40
VP-461 Output Resolutions	41
VP-460	42
VP-460 Input Resolutions	42
VP-460 Output Resolutions	42
VP-445	44
VP-445 Input Resolutions	44
VP-445 Output Resolutions	44
VP-444	45
VP-444 Input Resolutions	45
1.1 VP-444 Output Resolutions	45
VP-443	46
VP-443 Input Resolutions	46
VP-443 Output Resolutions	46
VP-441	47
VP-441 Input Resolution	47
VP-441 Output Resolutions	47
VP-440	48
VP-440 Input Resolution	48
VP-440 Output Resolutions	48
VP-439	49
VP-439 Input Resolution	49
VP-439 Output Resolutions	49
VP-438	50
VP-438 Input Resolutions	50
VP-438 Output Resolutions	50
VP-437xl	51
VP-437xl Input Resolutions	51
VP-437xl Output Resolutions	51
VP-437N	52
VP-437N Input Resolutions	52
VP-437N Output Resolutions	52
VP-436N	53
VP-436N Input Resolutions	53
VP-436N Output Resolutions	53
VP-435	54
VP-435 Input Resolutions	54
VP-435 Output Resolutions	54
VP-434	55
VP-434 Input Resolutions	55
VP-434 Output Resolutions	55
VP-427A	56
VP-427A Input Resolutions	56
VP-427A Output Resolutions	56
VP-427	57
VP-427 Input Resolutions	57

VP-427 Output Resolutions	57
VP-426H2	58
VP-426H2 Input Resolutions	58
VP-426H2 Output Resolutions	58
VP-426	59
VP-426 Input Resolutions	59
VP-426 Output Resolutions	59
VP-425	60
VP-425 Input Resolutions	60
VP-425 Output Resolutions	60
VP-424	61
VP-424 Input Resolutions	61
VP-424 Output Resolutions	61
VP-423	62
VP-423 Input Resolutions	62
VP-423 Output Resolutions	62
VP-422	63
VP-422 Input Resolutions	63
VP-422 Output Resolutions	63
VP-421	64
VP-421 Input Resolutions	64
VP-421 Output Resolutions	64
VP-420	65
VP-420 Input Resolutions	65
VP-420 Output Resolutions	65
VP-419xl	66
VP-419xl Input Resolution	66
VP-419xl Output Resolution	66
VP-417	67
VP-417 Input Resolution	67
VP-417 Output Resolution	67
VP-413xl	68
VP-413xl Output Resolution	68
VP-410	69
VP-410 Input Resolution	69
VP-410 Output Resolution	69
VP-409	70
VP-409 Input Resolution	70
VP-409 Output Resolution	70

VP-790

VP-790 Input Resolutions

This section defines the input resolutions for each input.

HDMI Input Resolutions

HDMI Input Resolutions (Video)				
480i	576p	1080i @59.94	1080p @25	1080p @59.94
576i	720p	1080i @60	1080p @30	1080p @60
480p	1080i @50	1080p @24	1080p @50	

HDMI Input Resolutions (Computer):

PC Input Resolutions

From 640x480 to 1920x1200.

SDI Input Resolutions

SMPTE 292M, SMPTE 259M-C and SMPTE 424M compliant, accepts 484i (480i), 576i, 720p, 1080i and 1080p single link formats at 270Mb, 1.485Gb or 2.97Gb rates.

YUV, RGB and RGBS Input Resolutions

YUV, RGB and RGBS Input Resolutions				
480i	576p	1080i @59.94	1080p @24	1080p @30
576i (SD)	720p	1080i @60	1080p @25	
480p	1080i @50	1080p @23.98	1080p @29.97	



Note that this input does not support computer 1080x600 signals. 1080x600 signals should be passed via the PC IN 15-pin HD connector. The PC input supports the separate H and V syncs.

CV and s-Video Input Resolutions

NTSC, PAL and SECAM.

VP-790 Output Resolutions

This section defines the output resolutions.

HDMI Output Resolutions

Technical Specifications of the HDMI Output Signal			
640x480@60	1280x1024@50	1680x1050@60	1080p25
640x480@75	1280x1024@60	1920x1200@60	1080p29.97
800x600@50	1280x1024@75	480i60	1080p30
800x600@60	1360x768@60	480p60	1080p50
800x600@75	1366x768@50	576i50	1080p59.94
1024x768@50	1366x768@60	576p50	1080p60
1024x768@60	1400x1050@50	720p50	2K50
1024x768@75	1400x1050@60	720p59.94	2K60
1280x768@50	1600x900@60	720p60	
1280x768@60	1600x1200@50	1080p23.976	
1280x800@60	1600x1200@60	1080p24	

SDI Output Resolutions

SMPTE 292M, SMPTE 259M-C and SMPTE 424M compliant, accepts (484i) 480i, 576i, 720, 1080i and 1080p single link formats at 270Mb, 1.485Gb or 2.97Gb rates.

PC Output Resolutions

From 640x480 to 1920x1200, up to 165 MHz pixel clock.

VP-778

The following are the **VP-778** input and output resolutions.

VP-778 Input Resolutions

CV Input Resolutions

NTSC and PAL

Component Analog Video (YPbPr) Input Resolutions

PC Input Resolutions			
NTSC	720_P50	1080_P30	1080_P50
PAL	720_P60	1080_P23_976	1080_P60
525_P60	1080_I50	1080_P24	1080_I100
625_P50	1080_I60	1080_P25	

RGBHV Analog Video Input Resolutions

RGBHV Input Resolutions				
640x480_60	800x600_75	625_P50	1280x1024_60	1400x1050_75
640x480_72	800x600_85	525_P60	1280x1024_75	1600x900_60
640x480_75	1024x768_60	720_P50	1280x1024_85	1600x1200_60
640x480_85	1024x768_70	720_P60	1360x768_60	1680x1050_60
800x600_56	1024x768_75	1280x800_60	1366x768_60	1920x1200_60RB
800x600_60	1024x768_85	1280x960_85	1440x900_60	1080_P50
800x600_72	1152x864_75	1280x768_60	1400x1050_60	1080_P60

HDMI Digital Video Input Resolutions

HDMI Input Resolutions				
NTSC	1080_I60	640x480_72	1024x768_70	1360x768_60
PAL	1080_P23_976	640x480_75	1024x768_75	1366x768_60
525_P60	1080_P24	640x480_85	1024x768_85	1440x900_60
625_P50	1080_P25	800x600_56	1152x864_75	1400x1050_60
720_P24	1080_P30	800x600_60	1280x800_60	1400x1050_75
720_P25	1080_P50	800x600_72	1280x960_85	1600x900_60
720_P30	1080_P60	800x600_75	1280x768_60	1600x1200_60
720_P50	2k50	800x600_85	1280x1024_60	1680x1050_60
720_P60	2k60	848x480_60	1280x1024_75	1920x1200_60RB
1080_I50	640x480_60	1024x768_60	1280x1024_85	

VP-778 Output Resolutions

This section defines the output resolutions

HDMI Digital Video Output Resolutions

HDMI Output Resolutions			
640x480@60	1280x1024@50	1680x1050@60	1080p30
640x480@75	1280x1024@60	1920x1200@60	1080p50
800x600@50	1280x1024@75	480p60	1080p59.94
800x600@60	1360x768@60	576p50	1080p60
800x600@75	1366x768@50	720p50	1080i50
1024x768@50	1366x768@60	720p59.94	1080i60
1024x768@60	1400x1050@50	720p60	2k50
1024x768@75	1400x1050@60	1080p23.976	2k60
1280x768@50	1600x900@60	1080p24	4k2k@30
1280x768@60	1600x1200@50	1080p25	
1280x800@60	1600x1200@60	1080p29.97	

RGBHV Analog Video Output Resolutions

RGBHV Output Resolutions				
640x480@60	1280x800@60	1600x1200@60	720p60	1080p59.94
640x480@75	1280x1024@60	1680x1050@60	1080p23.976	1080p60
800x600@60	1280x1024@75	1920x1200@60	1080p24	1080i50
800x600@75	1360x768@60	480p60	1080p25	1080i60
1024x768@60	1366x768@60	576p50	1080p29.97	2k50
1024x768@75	1400x1050@60	720p50	1080p30	2k60
1280x768@60	1600x900@60	720p59.94	1080p50	

VP-772

The following are the **VP-772** input and output resolutions.

VP-772 Input Resolutions

This section defines the input resolutions for each input

CV Input Resolutions

NTSC and PAL

Component Analog Video (YPbPr) Input Resolutions

PC Input Resolutions			
NTSC	720_P50	1080_P30	1080_P50
PAL	720_P60	1080_P23_976	1080_P60
525_P60	1080_I50	1080_P24	1080_I100
625_P50	1080_I60	1080_P25	

RGBHV Analog Video Input Resolutions

RGBHV Input Resolutions				
640X480_60	800x600_75	625_P50	1280x1024_60	1400x1050_75
640x480_72	800x600_85	525_P60	1280x1024_75	1600x900_60
640x480_75	1024x768_60	720_P50	1280x1024_85	1600x1200_60
640x480_85	1024x768_70	720_P60	1360x768_60	1680x1050_60
800x600_56	1024x768_75	1280x800_60	1366x768_60	1920x1200_60RB
800x600_60	1024x768_85	1280x960_85	1440x900_60	1080_P50
800x600_72	1152x864_75	1280x768_60	1400x1050_60	1080_P60

HDMI Digital Video Input Resolutions

HDMI Input Resolutions				
NTSC	1080_I60	640x480_72	1024x768_70	1360x768_60
PAL	1080_P23_976	640x480_75	1024x768_75	1366x768_60
525_P60	1080_P24	640x480_85	1024x768_85	1440x900_60
625_P50	1080_P25	800x600_56	1152x864_75	1400x1050_60
720_P24	1080_P30	800x600_60	1280x800_60	1400x1050_75
720_P25	1080_P50	800x600_72	1280x960_85	1600x900_60
720_P30	1080_P60	800x600_75	1280x768_60	1600x1200_60
720_P50	2k50	800x600_85	1280x1024_60	1680x1050_60
720_P60	2k60	848x480_60	1280x1024_75	1920x1200_60RB
1080_I50	640X480_60	1024x768_60	1280x1024_85	

VP-772 Output Resolutions

HDMI Digital Video Output Resolutions

Technical Specifications of the HDMI Output Signal			
640x480@60	1280x1024@50	1680x1050@60	1080p30
640x480@75	1280x1024@60	1920x1200@60	1080p50
800x600@50	1280x1024@75	480p60	1080p59.94
800x600@60	1360x768@60	576p50	1080p60
800x600@75	1366x768@50	720p50	1080i50
1024x768@50	1366x768@60	720p59.94	1080i60
1024x768@60	1400x1050@50	720p60	2k50
1024x768@75	1400x1050@60	1080p23.976	2k60
1280x768@50	1600x900@60	1080p24	4k2k@30
1280x768@60	1600x1200@50	1080p25	
1280x800@60	1600x1200@60	1080p29.97	

RGBHV Analog Video Output Resolutions

RGBHV Output Resolutions				
640x480@60	1280x800@60	1600x1200@60	720p60	1080p59.94
640x480@75	1280x1024@60	1680x1050@60	1080p23.976	1080p60
800x600@60	1280x1024@75	1920x1200@60	1080p24	1080i50
800x600@75	1360x768@60	480p60	1080p25	1080i60
1024x768@60	1366x768@60	576p50	1080p29.97	2k50
1024x768@75	1400x1050@60	720p50	1080p30	2k60
1280x768@60	1600x900@60	720p59.94	1080p50	

VP-770, VP-771, VP-773, VP-774, VP-773Aand VP-774A

Input Resolutions

This section defines the input resolutions for each input

PC Input Resolutions

PC Input Resolutions				
640X480_60	800x600_75	625_P50	1280x1024_60	1400x1050_75
640x480_72	800x600_85	525_P60	1280x1024_75	1600x900_60
640x480_75	1024x768_60	720_P50	1280x1024_85	1600x1200_60
640x480_85	1024x768_70	720_P60	1360x768_60	1680x1050_60
800x600_56	1024x768_75	1280x800_60	1366x768_60	1920x1200_60RB
800x600_60	1024x768_85	1280x960_85	1440x900_60	1080_P50
800x600_72	1152x864_75	1280x768_60	1400x1050_60	1080_P60

DP Input Resolutions

DP Input Resolutions				
640X480_60	800x600_85	1280x800_60	1366x768_60	1920x1200_60RB
640x480_75	848x480_60	1280x960_85	1440x900_60	720_P60
640x480_85	1024x768_60	1280x768_60	1400x1050_60	1080_P60
800x600_56	1024x768_70	1280x1024_60	1400x1050_75	2k50
800x600_60	1024x768_75	1280x1024_75	1600x900_60	2k60
800x600_72	1024x768_85	1280x1024_85	1600x1200_60	
800x600_75	1152x864_75	1360x768_60	1680x1050_60	

CV Input Resolutions

NTSC and PAL

HDMI Input Resolutions

HDMI Input Resolutions				
NTSC	1080_I60	640x480_72	1024x768_70	1360x768_60
PAL	1080_P23_976	640x480_75	1024x768_75	1366x768_60
525_P60	1080_P24	640x480_85	1024x768_85	1440x900_60
625_P50	1080_P25	800x600_56	1152x864_75	1400x1050_60
720_P24	1080_P30	800x600_60	1280x800_60	1400x1050_75
720_P25	1080_P50	800x600_72	1280x960_85	1600x900_60
720_P30	1080_P60	800x600_75	1280x768_60	1600x1200_60
720_P50	2k50	800x600_85	1280x1024_60	1680x1050_60
720_P60	2k60	848x480_60	1280x1024_75	1920x1200_60RB
1080_I50	640X480_60	1024x768_60	1280x1024_85	

SDI Input Resolutions (applies to VP-771 and VP-774)

SDI Input Resolution			
NTSC	720_P60	1080_P24	1080_P50
PAL	1080_I50	1080_P25	1080_P60
720_P50	1080_I60	1080_P30	

Output Resolutions

This section defines the output resolutions

HDMI Output Resolutions

Technical Specifications of the HDMI Output Signal			
640x480@60	1280x1024@50	1680x1050@60	1080p25
640x480@75	1280x1024@60	1920x1200@60	1080p29.97
800x600@50	1280x1024@75	480i60	1080p30
800x600@60	1360x768@60	480p60	1080p50
800x600@75	1366x768@50	576i50	1080p59.94
1024x768@50	1366x768@60	576p50	1080p60
1024x768@60	1400x1050@50	720p50	2k50
1024x768@75	1400x1050@60	720p59.94	2k60
1280x768@50	1600x900@60	720p60	
1280x768@60	1600x1200@50	1080p23.976	
1280x800@60	1600x1200@60	1080p24	

PC Output Resolutions

Technical Specifications of the PC Output Signal			
640x480@60	1280x1024@75	480p60	1080p29.97
640x480@75	1360x768@60	576i50	1080p30
800x600@60	1366x768@60	576p50	1080p50
800x600@75	1400x1050@60	720p50	1080p59.94
1024x768@60	1600x900@60	720p59.94	1080p60
1024x768@75	1600x1200@60	720p60	2k50
1280x768@60	1680x1050@60	1080p23.976	2k60
1280x800@60	1920x1200@60	1080p24	
1280x1024@60	480i60	1080p25	

SDI Output Resolutions (applies to VP-771 and VP-774)

Technical Specifications of the SDI Output Signal			
480i60	720p60	1080p25	1080p50
576i50	1080p23.976	1080p29.97	1080p59.94
720p50	1080p24	1080p30	1080p60
720p59.94			

VP-747

The following are the **VP-747** input and output resolutions

VP-747 Input Resolutions

RGBHV / RGBS (PC) / RGsB (PC) Input Signal					
Resolution	Vertical Frequency (Hz)	Notes	Resolution	Vertical Frequency (Hz)	Notes
640x480	60		1152x870	75	Mac21
640x480	67	Mac13	1152x900	66	Sun
640x480	72		1152x900	76	Sun
640x480	75		1280x720	60	
640x480	85		1280x800	60	
720x400	70		1280x960	60	
720x400	85		1280x960	85	
800x600	56		1280x768	60	
800x600	60		1280x1024	60	
800x600	72		1280x1024	75	
800x600	75		1280x1024	76	Sun
800x600	85		1280x1024	85	
832x624	75	Mac16	1366x768	60	
1024x768	60		1400x1050	60	
1024x768	70		1400x1050	75	
1024x768	75		1440x900	60	
1024x768	75	Mac19	1600x1200	60	
1024x768	85		1680x1050	60	
1024x800	84	Sun	1920x1080	60	
1152x864	75		1920x1200	60	

Technical Specifications of the HDMI Input Signal (for RGB Colorspace)					
Resolution	Vertical Frequency (Hz)	Notes	Resolution	Vertical Frequency (Hz)	Notes
640x480	60		1152x870	75	Mac21
640x480	67	Mac13	1152x900	66	Sun
640x480	72		1152x900	76	Sun
640x480	75		1280x720	60	
640x480	85		1280x800	60	
720x400	70		1280x960	60	
720x400	85		1280x960	85	
800x600	56		1280x768	60	
800x600	60		1280x1024	60	
800x600	72		1280x1024	75	
800x600	75		1280x1024	76	Sun
800x600	85		1280x1024	85	

Technical Specifications of the HDMI Input Signal (for RGB Colorspace)					
832x624	75	Mac16	1366x768	60	
1024x768	60		1400x1050	60	
1024x768	70		1400x1050	75	
1024x768	75		1440x900	60	
1024x768	75	Mac19	1600x1200	60	
1024x768	85		1680x1050	60	
1024x800	84	Sun	1920x1200	60	
1152x864	75				

Technical Specifications of the Y/C, Video Signal	
Standard	NTSC, NTSC4.43, PAL, PAL-M, PAL-N, SECAM, PAL-60

Technical Specifications of the HDMI Signal (for RGB or YUV Colorspace)		
Resolution	Vertical Frequency (Hz)	Notes
1080i	60	YPbPr
1080i	50	YPbPr
1080p	60	YPbPr
1080p	50	YPbPr
1080P	24fps	YPbPr
720p	60	YPbPr
720p	50	YPbPr
480i	60	YPbPr
480p	60	YPbPr
576i	50	YPbPr
576p	50	YPbPr

Technical Specifications of the Component Input Signal		
Resolution	Resolution	Resolution
1080i	1080i	1080i
1080i	1080i	1080i
1080p	1080p	1080p
1080p	1080p	1080p
720p	720p	720p
720p	720p	720p
480i	480i	480i
480p	480p	480p
576i	576i	576i
576p	576p	576p

VP-747 Output Resolutions

Supported Output Resolutions			
Resolution	Vertical Frequency (Hz)	Resolution	Vertical Frequency (Hz)
640x480	60	1680x1050xHz	60
640x480	75	1920x1080xHz	50
800x600	50	1920x1080 cvt-r	60
800x600	60	1920x1200	60
800x600	75	480p	60
832x624	75	576p	
852x480	60	720p	50
1024x768	x50	720p	60
1024x768	60	1080i	50
1024x768	75	1080i	60
1280x720	60	1080p	50
1280x768	50	1080p	60
1280x768	60	1080p	24
1280x800	60	480p	59.94
1280x1024	50	720p	59.94
1280x1024	60	1080i	59.94
1280x1024	75	1080p	23.97
1366x768	50	1080p	29.97
1366x768	60	1080p	59.94
1400x1050	50	Custom 1	
1400x1050	60	Custom 2	
1440x900	60	Custom 3	
1600x1200	50	Custom 4	
1600x1200	60		

VP-734

The following are the **VP-734** input and output resolutions

VP-734 Input Resolutions

RGBHV / RGBS (PC) / RGsB (PC) Input Signal					
Resolution	Vertical Frequency (Hz)	Notes	Resolution	Vertical Frequency (Hz)	Notes
640x480	60	VESA	1280x720	60	
640x480	67	Mac13	1280x800	60	Reduced Blanking
640x480	72	VESA	1280x800	60	
640x480	75	VESA	1280x960	60	
640x480	85	VESA	1280x960	85	
720x400	70		1280x768	60	Reduced Blanking
720x400	85	VESA	1280x768	60	
800x600	56	VESA	1280x1024	60	
800x600	60	VESA	1280x1024	75	
800x600	72	VESA	1280x1024	76	
800x600	75	VESA	1280x1024	85	
800x600	85	VESA	1366x768	60	Reduced Blanking
832x624	75	Mac16	1366x768	60	
1024x768	60	VESA	1440x900	60	Reduced Blanking
1024x768	70	VESA	1440x900	60	
1024x768	75	VESA	1400x1050	60	
1024x768	75	Mac19	1400x1050	75	
1024x768	85	VESA	1600x900	60	
1024x800	84	Sun	1600x1200	60	
1152x864	75	VESA	1680x1050	60	Reduced Blanking
1152x870	75	Mac21	1680x1050	60	
1152x900	66	Sun	1920x1080	60	
1152x900	76	Sun	1920x1200	60	Reduced Blanking

Technical Specifications of the Y/C, Video Signal

Standard	NTSC, NTSC4.43, PAL, PAL-M, PAL-N, SECAM, PAL-60
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Technical Specifications of the Component Input Signal

Resolution	Vertical Frequency (Hz)	Notes
1080i	60	YPbPr
1080i	50	YPbPr
1080p	60	YPbPr
1080p	50	YPbPr
720p	60	YPbPr
720p	50	YPbPr

Technical Specifications of the Component Input Signal		
480i	60	YPbPr
480p	60	YPbPr
576i	50	YPbPr
576p	50	YPbPr

Technical Specifications of the DVI Input Signal (for RGB Colorspace)						
Resolution	Vertical Frequency (Hz)	Notes	Resolution	Vertical Frequency (Hz)	Notes	Notes
640x480	60	VESA	1280x800	60	VESA	Reduced Blanking
640x480	67	Mac13	1280x800	60	VESA	
640x480	72	VESA	1280x960	60	VESA	
640x480	75	VESA	1280x960	85	VESA	
640x480	85	VESA	1280x768	60	VESA	Reduced Blanking
720x400	70		1280x768	60	VESA	
720x400	85	VESA	1280x1024	60	VESA	
800x600	56	VESA	1280x1024	75	VESA	
800x600	60	VESA	1280x1024	76	Sun	
800x600	72	VESA	1280x1024	85	VESA	
800x600	75	VESA	1366x768	60	VESA	Reduced Blanking
800x600	85	VESA	1366x768	60	VESA	
832x624	75	Mac16	1440x900	60	VESA	Reduced Blanking
1024x768	60	VESA	1440x900	60	VESA	
1024x768	70	VESA	1400x1050	60	VESA	
1024x768	75	VESA	1400x1050	75	VESA	
1024x768	75	Mac19	1600x900	60	VESA	
1024x768	85	VESA	1600x1200	60	VESA	
1024x800	84	Sun	1680x1050	60	VESA	Reduced Blanking
1152x864	75	VESA	1680x1050	60	VESA	
1152x870	75	Mac21	1920x1080	60	VESA	
1152x900	66	Sun	1920x1200	60	VESA	Reduced Blanking
1152x900	76	Sun	2048x1080	50		
1280x720	60	VESA	2048x1080	60		

Technical Specifications of the HDMI Input Signal (for RGB or YUV Colorspace)					
Resolution	Vertical Frequency (Hz)	Notes	Resolution	Vertical Frequency (Hz)	Notes
1080i	60	YPbPr	720p	50	YPbPr
1080i	50	YPbPr	480i	60	YPbPr
1080p	60	YPbPr	480p	60	YPbPr
1080p	50	YPbPr	576i	50	YPbPr
1080P	24	YPbPr	576p	50	YPbPr
720p	60	YPbPr			

VP-734 Output Resolutions

Technical Specifications of the RGBHV/Comp/YPbPr Output Signal					
Resolution	Vertical Frequency (Hz)	Notes	Resolution	Vertical Frequency (Hz)	Notes
640x480	60	VESA	1600x1200	50	
640x480	75	VESA	1600x1200	60	VESA
800x600	50		1920x1080	60	VESA
800x600	60	VESA	1920x1200	60	VESA Reduced Blanking
800x600	75	VESA	1680x1050	60	VESA
1024x768	50		1080i	60	Comp/YPbPr
1024x768	60	VESA	1080i	50	
1024x768	75	VESA	720p	60	
1280x720	60	VESA	720p	50	
1280x768	50		480p	60	
1280x768	60	VESA	576p	50	
1280x800	60	VESA	1080p	50	
1280x1024	50		1080p	60	
1280x1024	60	VESA	480p	59.94	
1280x1024	75	VESA	720p	59.94	
1366x768	50		1080i	59.94	
1366x768	60	VESA	1080p	23.98	
1400x1050	50		1080p	24	
1400x1050	60	VESA	1080p	29.97	
1600x900	60	VESA	1080p	59.94	

Technical Specifications of the HDMI/DVI/RGB Output Signal					
Resolution	Vertical Frequency (Hz)	Notes	Resolution	Vertical Frequency (Hz)	Notes
640x480	60	VESA	1680x1050	60	VESA
640x480	75	VESA	2048x1080	50	
800x600	50		2048x1080	60	
800x600	60	VESA	3840x2160	24	
800x600	75	VESA	3840x2160	25	
1024x768	50		3840x2160	29.97	
1024x768	60	VESA	3840x2160	30	
1024x768	75	VESA	4096x2160	24	
1280x720	60	VESA	1080i	60	HDMI
1280x768	50		1080i	50	
1280x768	60	VESA	720p	60	
1280x800	60	VESA	720p	50	
1280x1024	50		480p	60	
1280x1024	60	VESA	576p	50	
1280x1024	75	VESA	1080p	50	
1366x768	50		1080p	60	
1366x768	60	VESA	480p	59.94	
1400x1050	50		720p	59.94	
1400x1050	60	VESA	1080i	59.94	
1600x900	60	VESA	1080p	23.98	

Technical Specifications of the HDMI/DVI/RGB Output Signal					
Resolution	Vertical Frequency (Hz)	Notes	Resolution	Vertical Frequency (Hz)	Notes
1600x1200	50		1080p	24	
1600x1200	60	VESA	1080p	29.97	
1920x1080	60	VESA	1080p	59.94	
1920x1200	60	VESA Reduced Blanking			

VP-732

The following are the **VP-732** input and output resolutions

VP-732 Input Resolutions

Technical Specifications of the RGBHV/RGBS(PC)/RGsB(PC) Input Signal					
Resolution	Vertical Frequency (Hz)	Notes	Resolution	Vertical Frequency (Hz)	Notes
640x480	60	VESA	1280x720	60	VESA
640x480	67	Mac13	1280x800	60	VESA Reduced blanking
640x480	72	VESA	1280x800	60	VESA
640x480	75	VESA	1280x960	60	VESA
640x480	85	VESA	1280x960	85	VESA
720x400	70		1280x768	60	VESA Reduced blanking
720x400	85	VESA	1280x768	60	VESA
800x600	56	VESA	1280x1024	60	VESA
800x600	60	VESA	1280x1024	75	VESA
800x600	72	VESA	1280x1024	76	Sun
800x600	75	VESA	1280x1024	85	VESA
800x600	85	VESA	1366x768	60	VESA Reduced blanking
832x624	75	Mac16	1366x768	60	VESA
1024x768	60	VESA	1440x900	60	VESA Reduced blanking
1024x768	70	VESA	1440x900	60	VESA
1024x768	75	VESA	1400x1050	60	VESA
1024x768	75	Mac19	1400x1050	75	VESA
1024x768	85	VESA	1600x900	60	VESA
1024x800	84	Sun	1600x1200	60	VESA
1152x864	75	VESA	1680x1050	60	VESA Reduced blanking
1152x870	75	Mac21	1680x1050	60	VESA
1152x900	66	Sun	1920x1080	60	VESA
1152x900	76	Sun	1920x1200	60	VESA Reduced blanking

Technical Specifications of the Y/C, Video Signal (for Program and Preview/PIP)	
Standard	NTSC, NTSC4.43, PAL, PAL-M, PAL-N, SECAM, PAL-60

Technical Specifications of the HDMI Input Signal (for RGB or YUV Colorspace) (for Program and Preview/PIP)		
Resolution	Vertical Frequency (Hz)	Notes
1080i	60	YPbPr
1080i	50	YPbPr
1080p	60	YPbPr
1080p	50	YPbPr
1080p	24	YPbPr
720p	60	YPbPr
720p	50	YPbPr
480i	60	YPbPr
480p	60	YPbPr
576i	50	YPbPr
576p	50	YPbPr

Technical Specifications of the Component Input Signal (for Program and Preview/PIP)		
Resolution	Vertical Frequency (Hz)	Notes
1080i	60	YPbPr
1080i	50	YPbPr
1080p	60	YPbPr
1080p	50	YPbPr
720p	60	YPbPr
720p	50	YPbPr
480i	60	YPbPr
480p	60	YPbPr
576i	50	YPbPr
576p	50	YPbPr

Technical Specifications of the DVI Input Signal (for RGB Colorspace) (for Program and Preview/PIP)					
Resolution	Vertical Frequency (Hz)	Notes	Resolution	Vertical Frequency (Hz)	Notes
640x480	60	VESA	1280x800	60	VESA
640x480	67	Mac13	1280x800	60	VESA
640x480	72	VESA	1280x960	60	VESA
640x480	75	VESA	1280x960	85	VESA
640x480	85	VESA	1280x768	60	VESA
720x400	70		1280x768	60	VESA
720x400	85	VESA	1280x1024	60	VESA
800x600	56	VESA	1280x1024	75	VESA
800x600	60	VESA	1280x1024	76	Sun
800x600	72	VESA	1280x1024	85	VESA
800x600	75	VESA	1366x768	60	VESA
800x600	85	VESA	1366x768	60	VESA
832x624	75	Mac16	1440x900	60	VESA
1024x768	60	VESA	1440x900	60	VESA
1024x768	70	VESA	1400x1050	60	VESA
1024x768	75	VESA	1400x1050	75	VESA
1024x768	75	Mac19	1600x900	60	VESA
1024x768	85	VESA	1600x1200	60	VESA
1024x800	84	Sun	1680x1050	60	VESA

Technical Specifications of the DVI Input Signal (for RGB Colorspace) (for Program and Preview/PIP)					
Resolution	Vertical Frequency (Hz)	Notes	Resolution	Vertical Frequency (Hz)	Notes
1152x864	75	VESA	1680x1050	60	VESA
1152x870	75	Mac21	1920x1080	60	VESA
1152x900	66	Sun	1920x1200	60	VESA
1152x900	76	Sun	2048x1080	50	
1280x720	60	VESA	2048x1080	60	

VP-732 Output Resolutions

Technical Specifications of the RGBHV/RGBS(PC)/RGSB(PC) Output Signal					
Resolution	Vertical Frequency (Hz)	Notes	Resolution	Vertical Frequency (Hz)	Notes
640x480	60	VESA	1600x1200	50	
640x480	75	VESA	1600x1200	60	VESA
800x600	50		1920x1080	60	VESA
800x600	60	VESA	1920x1200	60	VESA Reduced blanking
800x600	75	VESA	1680x1050	60	VESA
1024x768	50		1080i	60	Comp/YPbPr
1024x768	60	VESA	1080i	50	
1024x768	75	VESA	720p	60	
1280x720	60	VESA	720p	50	
1280x768	50		480p	60	
1280x768	60	VESA	576p	50	
1280x800	60	VESA	1080p	50	
1280x1024	50		1080p	60	
1280x1024	60	VESA	480p	59.94	Comp/YPbPr
1280x1024	75	VESA	720p	59.94	
1366x768	50		1080i	59.94	
1366x768	60	VESA	1080p	23.98	
1400x1050	50		1080p	24	
1400x1050	60	VESA	1080p	29.97	
1600x900	60	VESA	1080p	59.94	

Technical Specifications of the HDMI/DVI/RGB Output Signal					
Resolution	Vertical Frequency (Hz)	Notes	Resolution	Vertical Frequency (Hz)	Notes
640x480	60	VESA	1680x1050	60	VESA
640x480	75	VESA	2048x1080	50	
800x600	50		2048x1080	60	
800x600	60	VESA	3840x2160	24	
800x600	75	VESA	3840x2160	25	
1024x768	50		3840x2160	29.97	
1024x768	60	VESA	3840x2160	30	
1024x768	75	VESA	4096x2160	24	
1280x720	60	VESA	1080i	60	HDMI
1280x768	50		1080i	50	
1280x768	60	VESA	720p	60	

Technical Specifications of the HDMI/DVI/RGB Output Signal					
Resolution	Vertical Frequency (Hz)	Notes	Resolution	Vertical Frequency (Hz)	Notes
1280x800	60	VESA	720p	50	
1280x1024	50		480p	60	
1280x1024	60	VESA	576p	50	
1280x1024	75	VESA	1080p	50	
1366x768	50		1080p	60	
1366x768	60	VESA	480p	59.94	
1400x1050	50		720p	59.94	
1400x1050	60	VESA	1080i	59.94	
1600x900	60	VESA	1080p	23.98	
1600x1200	50		1080p	24	
1600x1200	60	VESA	1080p	29.97	
1920x1080	60	VESA	1080p	59.94	
1920x1200	60	VESA Reduced blanking			

VP-730/731

The following are the **VP-730** and **VP-731** input and output resolutions

VP-730/731 Input Resolutions

RGBHV / RGBS (PC) / RGsB (PC) Input Signal					
Resolution	Vertical Frequency (Hz)	Notes	Resolution	Vertical Frequency (Hz)	Notes
640x480	60		1152x870	75	Mac21
640x480	67	Mac13	1152x900	66	Sun
640x480	72		1152x900	76	Sun
640x480	75		1280x720	60	
640x480	85		1280x800	60	
720x400	70		1280x960	60	
720x400	85		1280x960	85	
800x600	56		1280x768	60	
800x600	60		1280x1024	60	
800x600	72		1280x1024	75	
800x600	75		1280x1024	76	Sun
800x600	85		1280x1024	85	
832x624	75	Mac16	1366x768	60	
1024x768	60		1400x1050	60	
1024x768	70		1400x1050	75	
1024x768	75		1440x900	60	
1024x768	75	Mac19	1600x1200	60	
1024x768	85		1680x1050	60	
1024x800	84	Sun	1920x1080	60	
1152x864	75		1920x1200	60	

Technical Specifications of the HDMI Input Signal (for RGB Colorspace)					
Resolution	Vertical Frequency (Hz)	Notes	Resolution	Vertical Frequency (Hz)	Notes
640x480	60		1152x870	75	Mac21
640x480	67	Mac13	1152x900	66	Sun
640x480	72		1152x900	76	Sun
640x480	75		1280x720	60	
640x480	85		1280x800	60	
720x400	70		1280x960	60	
720x400	85		1280x960	85	
800x600	56		1280x768	60	
800x600	60		1280x1024	60	
800x600	72		1280x1024	75	
800x600	75		1280x1024	76	Sun
800x600	85		1280x1024	85	
832x624	75	Mac16	1366x768	60	
1024x768	60		1400x1050	60	

Technical Specifications of the HDMI Input Signal (for RGB Colorspace)					
Resolution	Vertical Frequency (Hz)	Notes	Resolution	Vertical Frequency (Hz)	Notes
1024x768	70		1400x1050	75	
1024x768	75		1440x900	60	
1024x768	75	Mac19	1600x1200	60	
1024x768	85		1680x1050	60	
1024x800	84	Sun	1920x1200	60	
1152x864	75				

Technical Specifications of the Y/C, Video Signal	
Standard	NTSC, NTSC4.43, PAL, PAL-M, PAL-N, SECAM, PAL-60

Technical Specifications of the HDMI Signal (for RGB or YUV Colorspace)		
Resolution	Vertical Frequency (Hz)	Notes
1080i	60	YPbPr
1080i	50	YPbPr
1080p	60	YPbPr
1080p	50	YPbPr
1080P	24fps	YPbPr
720p	60	YPbPr
720p	50	YPbPr
480i	60	YPbPr
480p	60	YPbPr
576i	50	YPbPr
576p	50	YPbPr

Technical Specifications of the Component Input Signal		
Resolution	Vertical Frequency (Hz)	Notes
1080i	60	YPbPr
1080i	50	YPbPr
1080p	60	YPbPr
1080p	50	YPbPr
720p	60	YPbPr
720p	50	YPbPr
480i	60	YPbPr
480p	60	YPbPr
576i	50	YPbPr
576p	50	YPbPr

VP-730/731 Output Resolutions

Supported Output Resolutions				
Resolution	Vertical Frequency (Hz)		Resolution	Vertical Frequency (Hz)
640x480	60		1600x1200	60
640x480	75		1920x1080	60
800x600	50		1920x1200	60
800x600	60		1680x1050	60
800x600	75		1080i	60
1024x768	50		1080i	50
1024x768	60		720p	60
1024x768	75		720p	50
1280x720	60		480p	60
1280x768	50		576p	50
1280x768	60		1080p	50
1280x800	60		1080p	60
1280x1024	50		1080p	24Hz
1280x1024	60		480p	59.94Hz
1280x1024	75		720p	59.94Hz
1366x768	50		1080i	59.94Hz
1366x768	60		1080p	23.98Hz
1400x1050	50		1080p	29.97Hz
1400x1050	60		1080p	59.94Hz

VP-728/VP-729

The following are the **VP-728** and **VP-729** input and output resolutions

VP-728/729 Input Resolutions

Technical Specifications of the RGBHV / RGBS (PC) / RGSB (PC) Input Signal					
Resolution	Vertical Frequency (Hz)	Notes	Resolution	Vertical Frequency (Hz)	Notes
640x480	60		1152x870	75	Mac21
640x480	67	Mac13	1152x900	66	Sun
640x480	72		1152x900	76	Sun
640x480	75		1280x720	60	
640x480	85		1280x800	60	
720x400	70		1280x960	60	
720x400	85		1280x960	85	
800x600	56		1280x768	60	
800x600	60		1280x1024	60	
800x600	72		1280x1024	75	
800x600	75		1280x1024	76	Sun
800x600	85		1280x1024	85	
832x624	75	Mac16	1366x768	60	
1024x768	60		1440x900	60	
1024x768	70		1400x1050	60	
1024x768	75		1400x1050	75	
1024x768	75	Mac19	1600x1200	60	
1024x768	85		1680x1050	60	
1024x800	84	Sun	1920x1080	60	
1152x864	75		1920x1200	60	

Technical Specifications of the HDMI Input Signal (for RGB Colorspace)					
Resolution	Vertical Frequency (Hz)	Notes	Resolution	Vertical Frequency (Hz)	Notes
640x480	60		1152x870	75	Mac21
640x480	67	Mac13	1152x900	66	Sun
640x480	72		1152x900	76	Sun
640x480	75		1280x720	60	
640x480	85		1280x800	60	
720x400	70		1280x960	60	
720x400	85		1280x960	85	
800x600	56		1280x768	60	
800x600	60		1280x1024	60	
800x600	72		1280x1024	75	
800x600	75		1280x1024	76	Sun
800x600	85		1280x1024	85	
832x624	75	Mac16	1366x768	60	
1024x768	60		1400x1050	60	
1024x768	70		1400x1050	75	
1024x768	75		1440x900	60	

Technical Specifications of the HDMI Input Signal (for RGB Colorspace)					
Resolution	Vertical Frequency (Hz)	Notes	Resolution	Vertical Frequency (Hz)	Notes
1024x768	75	Mac19	1600x1200	60	
1024x768	85		1680x1050	60	
1024x800	84	Sun	1920x1080	60	
1152x864	75		1920x1200	60	

Technical Specifications of the Y/C, Video Signal	
Standard	NTSC, NTSC4.43, PAL, PAL-M, PAL-N, SECAM, PAL-60

HDMI Signal (for RGB or YUV Colorspace)		
Resolution	Vertical Frequency (Hz)	Notes
1080i	60	YPbPr
1080i	50	YPbPr
1080p	60	YPbPr
1080p	50	YPbPr
1080p	24fps	YPbPr
720p	60	YPbPr
720p	50	YPbPr
480i	60	YPbPr
480p	60	YPbPr
576i	50	YPbPr
576p	50	YPbPr

Component Input Signal		
Resolution	Vertical Frequency (Hz)	Notes
1080i	60	YPbPr
1080i	50	YPbPr
1080p	60	YPbPr
1080p	50	YPbPr
720p	60	YPbPr
720p	50	YPbPr
480i	60	YPbPr
480p	60	YPbPr
576i	50	YPbPr
576p	50	YPbPr

VP-728/VP-729 Output Resolutions

RGBHV/Comp/YPbPr Output Signal			
Resolution	Vertical Frequency (Hz)	Resolution	Vertical Frequency (Hz)
640x480	60	1600x1200	50
640x480	75	1600x1200	60
800x600	50	1920x1080	60
800x600	60	1920x1200	60
800x600	75	1680x1050	60
1024x768	50	1080i	60
1024x768	60	1080i	50
1024x768	75	720p	60
1280x720	60	720p	50
1280x768	50	480p	60
1280x768	60	576p	50
1280x800	60	1080p	50
1280x1024	50	1080p	60
1280x1024	60	480p	59.94
1280x1024	75	720p	59.94
1366x768	50	1080i	59.94
1366x768	60	1080p	23.98
1400x1050	50	1080p	29.97
1400x1050	60	1080p	59.94

HDMI/DVI/RGB Output Signal			
Resolution	Vertical Frequency (Hz)	Resolution	Vertical Frequency (Hz)
640x480	60	1600x1200	60
640x480	75	1920x1080	60
800x600	50	1920x1200	60
800x600	60	1680x1050	60
800x600	75	1080i	60
1024x768	50	1080i	50
1024x768	60	720p	60
1024x768	75	720p	50
1280x720	60	480p	60
1280x768	50	576p	50
1280x768	60	1080p	50
1280x800	60	1080p	60
1280x1024	50	1080p	24
1280x1024	60	480p	59.94
1280x1024	75	720p	59.94
1366x768	50	1080i	59.94
1366x768	60	1080p	23.98
1400x1050	50	1080p	29.97
1400x1050	60	1080p	59.94
1600x1200	50		

VP-725N/VP-725NA

The following are the **VP-725N** and **VP-725NA** input and output resolutions:

VP-725N/A Input Resolutions

Technical Specifications of the RGBHV/RGBS (PC)/RGsB (PC) Input Signal					
Resolution	Vertical Frequency (Hz)	Notes	Resolution	Vertical Frequency (Hz)	Notes
640x480 (480p)	60	VESA	1152x870	75	Mac21
640x480	67	Mac13	1152x900	66	Sun
640x480	72	VESA	1152x900	76	Sun
640x480	75	VESA	1280x720	60	VESA
640x480	85	VESA	1280x800	60	VESA
720x400	70		1280x960	60	VESA
720x400	85	VESA	1280x960	85	VESA
800x600	56	VESA	1280x768	60	VESA
800x600	60	VESA	1280x1024	60	VESA
800x600	72	VESA	1280x1024	75	VESA
800x600	75	VESA	1280x1024	76	Sun
800x600	85	VESA	1280x1024	85	VESA
832x624	75	Mac16	1366x768	60	VESA
1024x768	60	VESA	1440x900	60	VESA
1024x768	70	VESA	1400x1050	60	VESA
1024x768	75	VESA	1400x1050	75	VESA
1024x768	75	Mac19	1600x1200	60	VESA
1024x768	85	VESA	1680x1050	60	VESA
1024x800	84	Sun	1920x1080	60	VESA
1152x864	75	VESA	1920x1200	60	VESA

Technical Specifications of the Y/C, Video Signal	
Standard	NTSC, NTSC4.43, PAL, PAL-M, PAL-N, SECAM, PAL-60

HDMI Input Signal (for RGB or YUV Colorspace)		
Resolution	Vertical Frequency (Hz)	Notes
1080i	60	YPbPr
1080i	50	YPbPr
1080p	60	YPbPr
1080p	50	YPbPr
1080P	24fps	YPbPr
720p	60	YPbPr
720p	50	YPbPr
480i	60	YPbPr
480p	60	YPbPr
576i	50	YPbPr
576p	50	YPbPr

Component Input Signal		
Resolution	Vertical Frequency (Hz)	Notes
1080i	60	YPbPr
1080i	50	YPbPr
1080p	60	YPbPr
1080p	50	YPbPr
720p	60	YPbPr
720p	50	YPbPr
480i	60	YPbPr
480p	60	YPbPr
576i	50	YPbPr
576p	50	YPbPr

VP-725N/A Output Resolutions

Technical Specifications of the RGBHV/Comp/YPbPr Output Signal					
Resolution	Vertical Frequency (Hz)	Notes	Resolution	Vertical Frequency (Hz)	Notes
640x480	60	VESA	1366x768	60	VESA
640x480	75	VESA	1400x1050	50	
800x600	50		1400x1050	60	VESA
800x600	60	VESA	1600x1200	50	
800x600	75	VESA	1600x1200	60	VESA
1024x768	50		1920x1080	60	VESA
1024x768	60	VESA	1920x1200	60	VESA
1024x768	75	VESA	1680x1050	60	VESA
1280x720	60	VESA	1080i	60	Comp/ YPbPr
1280x768	50		1080i	50	
1280x768	60	VESA	720p	60	
1280x800	60	VESA	720p	50	
1280x1024	50		480p	60	
1280x1024	60	VESA	576p	50	
1280x1024	75	VESA	1080p	50	
1366x768	50		1080p	60	

VP-690

The following are the **VP-690** input and output resolutions:

VP-690 Input Resolutions

Resolution/Refresh Rate	CV	Component	PC	SDI	HDMI
480i/576i(NTSC/PAL)	Yes	Yes		Yes	Yes
480p/576p		Yes			Yes
720p@(60/50)		Yes		Yes	Yes
1080i@(60/50)		Yes		Yes	Yes
1080p@(60/50)		Yes		Yes	Yes
1080p@(24/25/30)		Yes		Yes	Yes
1080psF @(24/25/30)				Yes	
480p/576p-RGB			Yes		Yes
720p@(60/50)-RGB			Yes		Yes
1080i@(60/50)-RGB					Yes
1080p@(60/50)-RGB			Yes		Yes
1080p@(24/25/30)-RGB					Yes
640x480@(60/67/72/75/85)			Yes		Yes
1080x600@(56/60/72/75)			Yes		Yes
1024x768@(60/70/75)			Yes		Yes
1280x1024@(60/75)			Yes		Yes
1280X960			Yes		Yes
1600X900@60			Yes		Yes
1600X1200@60			Yes		Yes
1280x800@60			Yes		Yes
1440x900@60			Yes		Yes
1366x768@60			Yes		Yes
1400x1050@60			Yes		Yes
1680x1050@60			Yes		Yes
1920x1200@60			Yes		Yes
2K@50 (2048X1080)			Yes		Yes
2K@60 (2048X1080)			Yes		Yes

VP-690 Output Resolutions

640x480	1080x600	1024x768	1280x1024	1600x1200
480i	480p	720p60	1080i60	1080p60
576i	576p	720p50	1080i50	1080p50
1366x768	1680x1050	1920x1200	1280x800	1440x900
1400x1050	1600x900	2048x1080@50	2048x1080@60	480i59
480p59	720p59	1080i59	1080p59	

VP-558

The following are the **VP-558** input and output resolutions.

VP-558 Input Resolutions

Resolution/Refresh Rate	CV	PC	HDMI
NTSC	Yes		
PAL	Yes		
640x480 (@60/72/75Hz)		Yes	Yes
800x600 (@56/60/72/75Hz)		Yes	Yes
1024x768 (@60/70/75Hz)		Yes	Yes
1152x864 @75Hz		Yes	Yes
1280x720 @60Hz		Yes	Yes
1280x768 @60Hz		Yes	
1280x800 @60Hz		Yes	Yes
1280x960 @60Hz		Yes	Yes
1280x1024 (@60/75Hz)		Yes	Yes
1360x768 @60Hz		Yes	Yes
1400x1050 @60Hz		Yes	Yes
1440x900 @60Hz		Yes	Yes
1600x900 RB @60Hz		Yes	Yes
1600x1200 @60Hz		Yes	Yes
1680x1050 RB @60Hz		Yes	Yes
1920x1080 @60Hz		Yes	Yes
1920x1200 RB @60Hz		Yes	Yes
480I/576I			Yes
480P/576P			Yes
720P(@50/60Hz)			Yes
1080I(@50/60Hz)			Yes
1080P(@24/30Hz)			Yes
1080P(@50/60Hz)			Yes

VP-558 Output Resolutions

NATIVE	640x480@60	800x600@60	1024x768@60	1280x768@60
1360x768@60	1280x720@60	1280x800@60	1280x1024@60	1440x900@60
1400x1050@60	1680x1050@60	1600x1200@60	1920x1080@60	1920x1200@60
720x480p@60	1280x720p@60	1920x1080i@60	1920x1080p@60	720x576p@60
1280x720p@50	1920x1080i@50	1920x1080p@50		

VP-553xl

The following are the **VP-553xl** input and output resolutions.

VP-553xl Input Resolutions

Resolution/Refresh Rate	CV	PC	HDMI
NTSC	Yes		
PAL	Yes		
640x480 (@60/72/75Hz)		Yes	Yes
800x600 (@56/60/72/75Hz)		Yes	Yes
1024x768 (@60/70/75Hz)		Yes	Yes
1152x864 @75Hz		Yes	Yes
1280x720 @60Hz		Yes	Yes
1280x768 @60Hz		Yes	
1280x800 @60Hz		Yes	Yes
1280x960 @60Hz		Yes	Yes
1280x1024 (@60/75Hz)		Yes	Yes
1360x768 @60Hz		Yes	Yes
1400x1050 @60Hz		Yes	Yes
1440x900 @60Hz		Yes	Yes
1600x900 RB @60Hz		Yes	Yes
1600x1200 @60Hz		Yes	Yes
1680x1050 RB @60Hz		Yes	Yes
1920x1080 @60Hz		Yes	Yes
1920x1200 RB @60Hz		Yes	Yes
480I/576I			Yes
480P/576P			Yes
720P(@50/60Hz)			Yes
1080I(@50/60Hz)			Yes
1080P(@24/30Hz)			Yes
1080P(@50/60Hz)			Yes

VP-553xl Output Resolutions

NATIVE	640x480@60	800x600@60	1024x768@60	1280x768@60
1360x768@60	1280x720@60	1280x800@60	1280x1024@60	1440x900@60
1400x1050@60	1680x1050@60	1600x1200@60	1920x1080@60	1920x1200@60
720x480p@60	1280x720p@60	1920x1080i@60	1920x1080p@60	720x576p@60
1280x720p@50	1920x1080i@50	1920x1080p@50		

VP-553

The following are the **VP-553** input and output resolutions.

VP-553 Input Resolutions

Resolution/Refresh Rate	CV	PC	HDMI
NTSC	Yes		
PAL	Yes		
640x480 (@60/72/75Hz)		Yes	Yes
800x600 (@56/60/72/75Hz)		Yes	Yes
1024x768 (@60/70/75Hz)		Yes	Yes
1152x864 @75Hz		Yes	Yes
1280x720 @60Hz		Yes	Yes
1280x768 @60Hz		Yes	
1280x800 @60Hz		Yes	Yes
1280x960 @60Hz		Yes	Yes
1280x1024 (@60/75Hz)		Yes	Yes
1360x768 @60Hz		Yes	Yes
1400x1050 @60Hz		Yes	Yes
1440x900 @60Hz		Yes	Yes
1600x900 RB @60Hz		Yes	Yes
1600x1200 @60Hz		Yes	Yes
1680x1050 RB @60Hz		Yes	Yes
1920x1080 @60Hz		Yes	Yes
1920x1200 RB @60Hz		Yes	Yes
480i/576i			Yes
480P/576P			Yes
720P(@50/60Hz)			Yes
1080i(@50/60Hz)			Yes
1080P(@24/30Hz)			Yes
1080P(@50/60Hz)			Yes

VP-553 Output Resolutions

NATIVE	640x480@60	800x600@60	1024x768@60	1280x768@60
1360x768@60	1280x720@60	1280x800@60	1280x1024@60	1440x900@60
1400x1050@60	1680x1050@60	1600x1200@60	1920x1080@60	1920x1200@60
720x480p@60	1280x720p@60	1920x1080i@60	1920x1080p@60	720x576p@60
1280x720p@50	1920x1080i@50	1920x1080p@50		

VP-506

The following are the **VP-506** input and output resolutions.

VP-506 Input Resolutions

Resolution/Refresh Rate	DVI-I Input			
	Component	PC (RGB)	DVI	HDMI
480i/576i (NTSC/PAL)	Yes			Yes
480p/576p	Yes			Yes
720p@(60/50)	Yes			Yes
1080i@(60/50)	Yes			Yes
1080p@(60/50)	Yes			Yes
1080p@(24/25/30)	Yes			Yes
480p-RGB			Yes	Yes
576p-RGB		Yes	Yes	Yes
720p@(60/50)-RGB		Yes	Yes	Yes
1080i@(60/50)-RGB				Yes
1080p@(60/50)-RGB		Yes	Yes	Yes
1080p@(24/25/30)-RGB		Yes	Yes	Yes
640x480@(60/67/72/75/85)		Yes	Yes	Yes
1080x600@(56/60/72/75)		Yes	Yes	Yes
1024x768@(60/70/75)		Yes	Yes	Yes
1280x1024@(60/75)		Yes	Yes	Yes
1600X900@60		Yes	Yes	Yes
1600x1200@60		Yes	Yes	Yes
1280x800@60		Yes	Yes	Yes
1440x900@60		Yes	Yes	Yes
1366x768@60		Yes	Yes	Yes
1400x1050@60		Yes	Yes	Yes
1680x1050@60		Yes	Yes	Yes
1920x1200@60		Yes	Yes	Yes

VP-506 Output Resolutions

NTSC/PAL

VP-501N

The following are the **VP-501N** input and output resolutions.

VP-501N Input Resolutions

Resolution/Refresh Rate	PC	Component
640x480@60	Yes	
800x600@60	Yes	
1024x768@60	Yes	
1152x864@75	Yes	
1280x800@60	Yes	
1280x1024@60	Yes	
1280x1024@75	Yes	
1366x768@60	Yes	
1440x900@60	Yes	
1400x1050@60	Yes	
1600x1200@60	Yes	
1080i@60		Yes
1080i@50		Yes
1080p@60		Yes
1080p@50		Yes
720p@60		Yes
720p@50		Yes
480p@60		Yes
576p@50		Yes

VP-501N Output Resolutions

640x480 up to 1600x1200; 480p, 576p, 720p, 1080i (for 1080i, does not support 50Hz)

VP-483

The following are the **VP-483** input and output resolutions.

VP-483 Input Resolutions

720p@(60/50) RGB	1080p@(60/50) RGB	640x480@(60/72/75/85)
1080x600@(56/60/72/75/85)	1024x768@(60/70/75/85)	1280x1024@(60/75/85)
1440x900@60	1280x800@60	1600x1200@60
1366x768@60	1400x1050@60	1680x1050@60

VP-483 Output Resolutions

720p @60	1080p SF30/29/25	1080p @30/29/25/24/23	1080p @59	1080i @59
720p @59	480i @59	576i	1080p @50	1080i @50
720p @50	1080p @60	1080i @60		

VP-482

The following are the **VP-482** input and output resolutions.

VP-482 Input Resolutions

480p/576p RGB	720p@(60/50) RGB	1080i@(60/50) RGB
1080p@(60/50) RGB	1080p@(24/25/30) RGB	640x480@(60/72/75/85)
1080x600@(56/60/72/75/85)	1024x768@(60/70/75/85)	1280x1024@(60/75/85)
1440x900@60	1280x800@60	1600x1200@60
1366x768@60	1400x1050@60	1680x1050@60

VP-482 Output Resolutions

720p @60	1080p SF30/29/25	1080p @30/29/25/24/23	1080p @59	1080i @59
720p @59	480i @59	576i	1080p @50	1080i @50
720p @50	1080p @60	1080i @60		

VP-481

The following are the **VP-481** input and output resolutions.

VP-481 Input Resolutions

480p/576p RGB	720p@(60/50) RGB	1080i@(60/50) RGB
1080p@(60/50) RGB	1080p@(24/25/30) RGB	640x480@(60/72/75/85)
1080x600@(56/60/72/75/85)	1024x768@(60/70/75/85)	1280x1024@(60/75/85)
1440x900@60	1280x800@60	1600x1200@60
1366x768@60	1400x1050@60	1680x1050@60()

VP-481 Output Resolutions

720p @60	1080p SF30/29/25	1080p @30/29/25/24/23	1080p @59	1080i @59
720p @59	480i @59	576i	1080p @50	1080i @50
720p @50	1080p @60	1080i @60		

VP-480

The following are the **VP-480** input and output resolutions.

VP-480 Input Resolutions

480i30x2 / 576i25x2 (NTSC/PAL)

VP-480 Output Resolutions

720p @60	1080p SF30/29/25	1080p @30/29/25/24/23	1080p @59	1080i @59
720p @59	480i @59	576i	1080p @50	1080i @50
720p @50	1080p @60	1080i @60		

VP-471

The following are the **VP-471** input and output resolutions:

VP-471 Input Resolutions

480i @59.94Hz, 576i @50Hz, 720p @50/60Hz, 1080p @24/25/30/50/60Hz, 1080i @50/60Hz

VP-471 Output Resolutions

Native, 1920x1080p @50 (HD 1080), 1280x720p @50 (HD 720), 720x576p @50, 1920x1080p (HD 1080), 1280x720p (HD 720), 720x480p (NTSC), 1920x1200p (WUXGA), 1600x1200 (UXGA), 1680x1050 (WSXGA+), 1400x1050 (SXGA+), 1440x900, 1280x1024 (SXGA), 1280x800 (WXGA), 1360x768, 1280x768 (WXGA), 1024x768 (XGA), 800x600 (SVGA)

PC: VGA, SVGA, XGA, 1280x800, UXGA, SXGA, WXGA, SXGA+, WXGA+, WSXGA, WUXGA

SDTV: 480p @60Hz and 576p @50Hz

HDTV: 720p @50/60Hz, 1080p @50/60Hz

All resolutions are outputted @60Hz, except where noted

VP-470

The following are the **VP-470** input and output resolutions:

VP-470 Input Resolutions

SDTV: 480i @59.94Hz, 576i @50Hz,

HDTV: 720p @50/59.94/60Hz, 1080i @50/59.94/60Hz, 1080p @23.98/24/25/29.97/30Hz,
1080sF @23.98/24/25/29.97/30Hz

3G: 1080p @50/59.94/60

1080sF @23.98/24 inputs don't support 480i/576i output;
for 1080sF25/29.97/30 inputs, the OSD info. shows 1080i50/59.94/60

VP-470 Output Resolutions

SDTV: 480i @59Hz, 576i @50Hz

HDTV: 720p @50/59.94/60Hz, 1080i @50/59.94/60Hz, 1080p @23.98/24/25/29.97/30Hz

3G: 1080p @50/59.94/60Hz

VP-461

VP-461 Input Resolutions

This section defines the input resolutions for each input

HDMI Input Resolutions

HDMI Input Resolutions				
NTSC	1080_I60	640x480_72	1024x768_70	1360x768_60
PAL	1080_P23_976	640x480_75	1024x768_75	1366x768_60
525_P60	1080_P24	640x480_85	1024x768_85	1440x900_60
625_P50	1080_P25	800x600_56	1152x864_75	1400x1050_60
720_P24	1080_P30	800x600_60	1280x800_60	1400x1050_75
720_P25	1080_P50	800x600_72	1280x960_85	1600x900_60
720_P30	1080_P60	800x600_75	1280x768_60	1600x1200_60
720_P50	2K50	800x600_85	1280x1024_60	1680x1050_60
720_P60	2K60	848x480_60	1280x1024_75	1920x1200_60RB
1080_I50	640X480_60	1024x768_60	1280x1024_85	

PC Input Resolutions

PC Input Resolutions				
640X480_60	800x600_75	625_P50	1280x1024_60	1400x1050_75
640x480_72	800x600_85	525_P60	1280x1024_75	1600x900_60
640x480_75	1024x768_60	720_P50	1280x1024_85	1600x1200_60
640x480_85	1024x768_70	720_P60	1360x768_60	1680x1050_60
800x600_56	1024x768_75	1280x800_60	1366x768_60	1920x1200_60RB
800x600_60	1024x768_85	1280x960_85	1440x900_60	1080_P50
800x600_72	1152x864_75	1280x768_60	1400x1050_60	1080_P60

DisplayPort Input Resolutions

Display Port Input Resolution			
640X480_60	848x480_60	1280x768_60	1400x1050_75
640x480_75	1024x768_60	1280x1024_60	1600x900_60
640x480_85	1024x768_70	1280x1024_75	1680x1050_60
800x600_56	1024x768_75	1280x1024_85	1920x1200_60RB
800x600_60	1024x768_85	1360x768_60	720_P60
800x600_72	1152x864_75	1366x768_60	1080_P60
800x600_75	1280x800_60	1440x900_60	2K50
800x600_85	1280x960_85	1400x1050_60	2K60

VP-461 Output Resolutions

This section defines the output resolutions

HDMI Output Resolutions

Technical Specifications of the HDMI Output Signal			
640x480@60	1280x1024@50	1680x1050@60	1080p25
640x480@75	1280x1024@60	1920x1200@60	1080p29.97
800x600@50	1280x1024@75	480i60	1080p30
800x600@60	1360x768@60	480p60	1080p50
800x600@75	1366x768@50	576i50	1080p59.94
1024x768@50	1366x768@60	576p50	1080p60
1024x768@60	1400x1050@50	720p50	2K50
1024x768@75	1400x1050@60	720p59.94	2K60
1280x768@50	1600x900@60	720p60	
1280x768@60	1600x1200@50	1080p23.976	
1280x800@60	1600x1200@60	1080p24	

PC Output Resolutions

Technical Specifications of the PC Output Signal			
640x480@60	1280x1024@75	480p60	1080p29.97
640x480@75	1360x768@60	576i50	1080p30
800x600@60	1366x768@60	576p50	1080p50
800x600@75	1400x1050@60	720p50	1080p59.94
1024x768@60	1600x900@60	720p59.94	1080p60
1024x768@75	1600x1200@60	720p60	2K50
1280x768@60	1680x1050@60	1080p23.976	2K60
1280x800@60	1920x1200@60	1080p24	
1280x1024@60	480i60	1080p25	

VP-460

VP-460 Input Resolutions

This section defines the input resolutions for each input

PC Input Resolutions

PC Input Resolutions				
640X480_60	800x600_75	625_P50	1280x1024_60	1400x1050_75
640x480_72	800x600_85	525_P60	1280x1024_75	1600x900_60
640x480_75	1024x768_60	720_P50	1280x1024_85	1600x1200_60
640x480_85	1024x768_70	720_P60	1360x768_60	1680x1050_60
800x600_56	1024x768_75	1280x800_60	1366x768_60	1920x1200_60RB
800x600_60	1024x768_85	1280x960_85	1440x900_60	1080_P50
800x600_72	1152x864_75	1280x768_60	1400x1050_60	1080_P60

CV Input Resolutions

NTSC and PAL

SDI Input Resolutions

SDI Input Resolution			
NTSC	720_P60	1080_P24	1080_P50
PAL	1080_I50	1080_P25	1080_P60
720_P50	1080_I60	1080_P30	

VP-460 Output Resolutions

This section defines the output resolutions

HDMI Output Resolutions

Technical Specifications of the HDMI Output Signal			
640x480@60	1280x1024@50	1680x1050@60	1080p25
640x480@75	1280x1024@60	1920x1200@60	1080p29.97
800x600@50	1280x1024@75	480i60	1080p30
800x600@60	1360x768@60	480p60	1080p50
800x600@75	1366x768@50	576i50	1080p59.94
1024x768@50	1366x768@60	576p50	1080p60
1024x768@60	1400x1050@50	720p50	2K50
1024x768@75	1400x1050@60	720p59.94	2K60
1280x768@50	1600x900@60	720p60	
1280x768@60	1600x1200@50	1080p23.976	
1280x800@60	1600x1200@60	1080p24	

SDI Output Resolutions

Technical Specifications of the SDI Output Signal			
480i60	720p60	1080p25	1080p50
576i50	1080p23.976	1080p29.97	1080p59.94
720p50	1080p24	1080p30	1080p60
720p59.94			

VP-445

The following are the **VP-445** input and output resolutions:

VP-445 Input Resolutions

Resolution/Refresh Rate	Composite	PC	HDMI
480I/576I	Yes		
480P/576P			Yes
720P@(50/60)			Yes
1080I@(50/60)			Yes
1080P@(50/60)			Yes
1080P@(24/25/30)			Yes
VGA@(60/67/72/75/85)			Yes
SVGA@(56/60/72/75)		Yes	Yes
XGA@(60/70/75)		Yes	Yes
SXGA@(60/75)		Yes	Yes
1280X960@60		Yes	Yes
1280x720@60			Yes
1920X1080@60		Yes	Yes
UXGA@60 (1600X1200)		Yes	Yes
WXGA@60(1280x800)		Yes	Yes
WXGA+@60(1440x900)		Yes	Yes
WXGA@60(1366x768)		Yes	Yes
SXGA+@60(1400x1050)		Yes	Yes
1600X900@60 RB		Yes	Yes
WSXGA@60 RB(1680x1050 RB)		Yes	Yes

VP-445 Output Resolutions

Native	640x480 @60Hz	800x600 @60Hz	1024x768 @60Hz
1280x768 @60Hz	1360x768 @60Hz	1280x720 @60Hz	1280x800 @60Hz
1280x1024 @60Hz	1440x900 @60Hz	1400x1050 @60Hz	1680x1050 @60Hz
1600x1200 @60Hz	1920x1080 @60Hz	1920x1200 @60Hz	480p @60Hz
720p @60Hz	1080i @60Hz	1080p @60Hz	576p @50Hz
720p @50Hz	1080i @50Hz	1080p @50Hz	

VP-444

The following are the **VP-444** input and output resolutions:

VP-444 Input Resolutions

Resolution/Refresh Rate	PC 1/PC 2	HDMI 1-10
640x480 (60/72/75/85Hz)	Yes	Yes
800x600 (56/60/72/75/85Hz)	Yes	Yes
1024x768 (60/70/75/85Hz)	Yes	Yes
1280x720 60Hz	Yes	Yes
1280x800 60Hz	Yes	Yes
1280x1024 (60/75/85Hz)	Yes	Yes
1366x768 60Hz	Yes	Yes
1400x1050 60Hz	Yes	Yes
1440x900 60Hz	Yes	Yes
1600x1200 60Hz	Yes	Yes
1600x900 RB 60Hz	Yes	Yes
1680x1050 RB 60Hz	Yes	Yes
1920x1080 60Hz	Yes	Yes
1920x1200 RB 60Hz	Yes	Yes
480I/576I		Yes
480P/576P		Yes
720P(50/60Hz)		Yes
1080I(50/60Hz)		Yes
1080P(24/25/30Hz)		Yes
1080P(50/60Hz)		Yes

1.1 VP-444 Output Resolutions

NATIVE	640x480 (60)	800x600 (60)	1024x768 (60)
1280x768 (60)	1360x768 (60)	1280x720 (60)	1280x800 (60)
1280x1024 (60)	1440x900 (60)	1400x1050 (60)	1680x1050 (60)
1600x1200 (60)	1920x1080 (60)	1920x1200 (60)	480p (60)
720p (60)	1080i (60)	1080p (60)	576p (50)
720p (50)	1080i (50)	1080p (50)	

VP-443

The following are the **VP-443** input and output resolutions:

VP-443 Input Resolutions

Resolution/Refresh Rate	CV	Component	VGA	HDMI
480i/576i (NTSC/PAL)	Yes	Yes		Yes
480p/576p		Yes		Yes
720p@ (60/50)		Yes		Yes
1080i@ (60/50)		Yes		Yes
1080p@ (60/50)		Yes		Yes
1080p@ (24/25/30)		Yes		Yes
480p/576p-RGB			Yes	Yes
720p@ (60/50)-RGB			Yes	Yes
1080i@ (60/50)-RGB				Yes
1080p@ (60/50)-RGB			Yes	Yes
1080p@ (24/25/30)-RGB			Yes	Yes
640x480@ (60/67/72/75/85)			Yes	Yes
1080x600@ (56/60/72/75)			Yes	Yes
1024x768@ (60/70/75)			Yes	Yes
1280x1024@ (60/75)			Yes	Yes
1280X960			Yes	Yes
1600X900@60			Yes	Yes
1600X1200@60			Yes	Yes
1280x800@60			Yes	Yes
1440x900@60			Yes	Yes
1366x768@60			Yes	Yes
1400x1050@60			Yes	Yes
1680x1050@60			Yes	Yes
1920x1200@60			Yes	Yes
2K@50 (2048X1080)			Yes	Yes
2K@60 (2048X1080)			Yes	Yes

VP-443 Output Resolutions

NATIVE	640x480 (60)	800x600 (60)	1024x768 (60)
1280x800 (60)	1366x768 (60)	1440x900 (60)	1280x1024 (60)
1400x1050 (60)	1600x1200 (60)	1920x1200 (60)	1600x900 (60)
480p (60)	480i (60)	576p(60)	576i (60)
720p(50/60)	1080i(50/60)	1080p(50/60)	480i (59)
480p (59)	720p (59)	1080i (59)	1080p (59)
2048x1080 (50/60)			

VP-441

The following are the **VP-441** input and output resolutions:

VP-441 Input Resolution

Resolution/Refresh Rate	CV/s-Video	Component	VGA	HDMI
480i/576i(NTSC/PAL)	Yes (480i30x2 / 576i25x2)	Yes		Yes
480p/576p		Yes		Yes
720p@(60/50)		Yes		Yes
1080i@(60/50)		Yes		Yes
1080p@(60/50)		Yes		Yes
1080p@(24/25/30)		Yes		Yes
480p/576p-RGB			Yes	Yes
720p@(60/50)-RGB			Yes	Yes
1080i@(60/50)-RGB				Yes
1080p@(60/50)-RGB			Yes	Yes
1080p@(24/25/30)-RGB				Yes
640x480@(60/67/72/75/85)			Yes	Yes
1080x600@(56/60/72/75)			Yes	Yes
1024x768@(60/70/75)			Yes	Yes
1280x1024@(60/75)			Yes	Yes
1280X960			Yes	Yes
1600X900@60			Yes	Yes
1600X1200@60			Yes	Yes
1280x800@60			Yes	Yes
1440x900@60			Yes	Yes
1366x768@60			Yes	Yes
1400x1050@60			Yes	Yes
1680x1050@60			Yes	Yes
1920x1200@60			Yes	Yes
2K@50 (2048X1080)			Yes	Yes
2K@60 (2048X1080)			Yes	Yes

VP-441 Output Resolutions

NATIVE	640x480 (60)	800x600 (60)	1024x768 (60)
1280X800 (60)	1366x768 (60)	1440x900 (60)	1280x1024 (60)
1400x1050 (60)	1600x1200 (60)	1920x1200 (60)	1600X900 (60)
480P (60)	480I (60)	576P(60)	576I (60)
720P(50/60)	1080i(50/60)	1080p(50/60)	480I (59)
480P (59)	720P (59)	1080I (59)	1080P (59)
2048x1080 (50/60)			

VP-440

The following are the **VP-440** input and output resolutions:

VP-440 Input Resolution

Resolution/Refresh Rate	PC 1/PC 2	HDMI 1-4
480I/576I		Yes
480P/576P		Yes
720P (50/60Hz)		Yes
1080I (50/60Hz)		Yes
1080P (50/60Hz)		Yes
1080P (24/25/30Hz)		Yes
640x480 (60/72/75/85Hz)	Yes	Yes
800x600 (56/60/72/75Hz)	Yes	Yes
1024x768 (60/70/75Hz)	Yes	Yes
1280x1024 (60/75Hz)	Yes	Yes
1280x720 60Hz	Yes	Yes
1920x1080 60Hz	Yes	Yes
1280x960 60Hz		Yes
1600x1200 60Hz	Yes	Yes
1280x800 60Hz	Yes	Yes
1440x900 60Hz	Yes	Yes
1366x768 60Hz	Yes	Yes
1400x1050 60Hz	Yes	Yes
1600x900 RB 60Hz	Yes	Yes
1680x1050 RB 60Hz	Yes	Yes
1920x1200 RB-60Hz	Yes	Yes

VP-440 Output Resolutions

Resolution/Refresh Rate	HDMI/HDBT	Resolution/Refresh Rate	HDMI/HDBT
640x480 60Hz	Yes	1600x1200 60Hz	Yes
800x600 60Hz	Yes	1920x1200 RB 60Hz	Yes
1024x768 60Hz	Yes	1280x720 60Hz	Yes
1280x800 60Hz	Yes	1920x1080 60Hz	Yes
1360x768 60Hz	Yes	720x480P 60Hz	Yes
1440x900 60Hz	Yes	720x576P (50Hz)	Yes
1280x1024 60Hz	Yes	1280x720P (50/60Hz)	Yes
1400x1050 60Hz	Yes	1920x1080I (50/60Hz)	Yes
1680x1050 60Hz	Yes	1920x1080P (50/60Hz)	Yes

VP-439

The following are the **VP-439** input and output resolutions:

VP-439 Input Resolution

Resolution/Refresh Rate	Composite	Y, Pb, Pr (Component)	PC	HDMI
NTSC/PAL	Yes			
480I/576I		Yes		Yes
480P/576P		Yes		Yes
720P@(60/50)		Yes		Yes
1080I@(60/50)		Yes		Yes
1080P@(60/50)		Yes		Yes
1080P@(24/25/30)				Yes
VGA@(60/72/75/85)			Yes	Yes
SVGA@(56/60/72/75)			Yes	Yes
XGA@(60/70/75)			Yes	Yes
SXGA@(60/75)			Yes	Yes
1280X960			Yes	Yes
1600X900@60			Yes	Yes
UXGA@60 (1600X1200)			Yes	Yes
WXGA@60(1280x800)			Yes	Yes
WXGA+@60(1440x900)			Yes	Yes
WXGA@60(1366x768)			Yes	Yes
SXGA+@60(1400x1050)			Yes	Yes
WSXGA@60(1680x1050) RB			Yes	Yes
WUXGA@60(1920x1200) RB			Yes	Yes
1920X1200 RB @60			Yes	Yes

VP-439 Output Resolutions

640x480@60Hz	800x600@60Hz	1024x768@60Hz	1280x800@60Hz
1366x768@60Hz	1440x900@60Hz	1280x1024@60Hz	1400x1050@60Hz
1680x1050@60Hz	1600x1200@60Hz	1920x1200@60Hz	1600x900@60Hz
480p@60Hz	480i@60Hz	576p@50Hz	576i@50Hz
720p @50Hz	720p @60Hz	1080i @60Hz	1080i @50Hz
1080p @60Hz	1080p @50Hz		

VP-438

The following are the **VP-438** input and output resolutions:

VP-438 Input Resolutions

Resolution/Refresh Rate	CV	Y, Pb, Pr (Component)	PC	HDMI
480i/576i(NTSC/PAL)	Yes	Yes		Yes
480p/576p		Yes		Yes
720p@(60/50)		Yes		Yes
1080i@(60/50)		Yes		Yes
1080p@(60/50)		Yes		Yes
1080p@(24/25/30)		Yes		Yes
480p/576p-RGB			Yes	Yes
720p@(60/50)-RGB			Yes	Yes
1080i@(60/50)-RGB				Yes
1080p@(60/50)-RGB			Yes	Yes
1080p@(24/25/30)-RGB				Yes
640x480@(60/67/72/75/85)			Yes	Yes
1080x600@(56/60/72/75)			Yes	Yes
1024x768@(60/70/75)			Yes	Yes
1280x1024@(60/75)			Yes	Yes
1280X960			Yes	Yes
1600X900@60			Yes	Yes
1600x1200@60			Yes	Yes
1280x800@60			Yes	Yes
1440x900@60			Yes	Yes
1366x768@60			Yes	Yes
1400x1050@60			Yes	Yes
1680x1050@60			Yes	Yes
1920x1200@60			Yes	Yes
2K@50 (2048X1080)			Yes	Yes
2K@60 (2048X1080)			Yes	Yes

VP-438 Output Resolutions

480i	480p	720p @50Hz	1080i @60Hz	1080p @60Hz
576i	576p	720p @60Hz	1080i @50Hz	1080p @50Hz
480i@59.94Hz	480p@59.94Hz	720p@59.94Hz	1080i@59.94Hz	1080p@59.94Hz
640x480	800x600	1024x768	1280x1024	1600x1200
1366x768	1680x1050	1920x1200	1280x800	1440x900
1400x1050	1600x900			

VP-437xl

VP-437xl Input Resolutions

Resolution/Refresh Rate	CV/s-Video	Component	VGA	HDMI
480i/576i(NTSC/PAL)	Yes (480i30x2 / 576i25x2)	Yes		
480p/576p		Yes	Yes	Yes
720p @(60/50)		Yes	Yes	Yes
1080i @(60/50)		Yes		Yes
1080p @(60/50)		Yes	Yes	Yes
1080p @(24/30)		Yes		Yes
640x480 @(60/72/75/85)			Yes	Yes
1080x600 @(56/60/72/75/85)			Yes	Yes
1024x768 @(60/70/75/85)			Yes	Yes
1280x1024 @(60/75/85)			Yes	Yes
1600x1200 @60			Yes	Yes
1366x768@60			Yes	Yes
1680x1050@60			Yes	Yes
1920x1200@60			Yes	Yes

VP-437xl Output Resolutions

Native	640x480	1080x600	1024x768	1280x1024
1600x1200	480i	480p	576i	576p
720p@60	1080i@60	1080p@60	720p@50	1080i@50
1080p@50	1366x768	1680x1050	1920x1200	1280x800
1440x900	1400x1050	1600x900		

VP-437N

VP-437N Input Resolutions

Resolution/Refresh Rate	CV/s-Video	Component	PC	HDMI
480i/576i(NTSC/PAL)	Yes	Yes		Yes
480p/576p		Yes		Yes
720p@(60/50)		Yes		Yes
1080i@(60/50)		Yes		Yes
1080p@(60/50)		Yes		Yes
1080p@(24/25/30)		Yes		Yes
1080psF @(24/25/30)				
480p/576p-RGB			Yes	Yes
720p@(60/50)-RGB			Yes	Yes
1080i@(60/50)-RGB				Yes
1080p@(60/50)-RGB			Yes	Yes
1080p@(24/25/30)-RGB				Yes
640x480@(60/67/72/75/85)			Yes	Yes
1080x600@(56/60/72/75)			Yes	Yes
1024x768@(60/70/75)			Yes	Yes
1280x1024@(60/75)			Yes	Yes
1280X960			Yes	Yes
1600X900@60			Yes	Yes
1600x1200@60			Yes	Yes
1280x800@60			Yes	Yes
1440x900@60			Yes	Yes
1366x768@60			Yes	Yes
1400x1050@60			Yes	Yes
1680x1050@60			Yes	Yes
1920x1200@60			Yes	Yes
2K@50 (2048X1080)			Yes	Yes
2K@60 (2048X1080)			Yes	Yes

VP-437N Output Resolutions

NATIVE	640x480 (60)	800x600 (60)	1024x768 (60)
1280X800 (60)	1366x768 (60)	1440x900 (60)	1280x1024 (60)
1400x1050 (60)	1600x1200 (60)	1920x1200 (60)	1600X900 (60)
480P (60)	480I (60)	576P(60)	576I (60)
720P(50/60)	1080i(50/60)	1080p(50/60)	480I (59)
480P (59)	720P (59)	1080I (59)	1080P (59)

VP-436N

The following are the **VP-436N** input and output resolutions:

VP-436N Input Resolutions

Resolution/Refresh Rate	CV/s-Video	Component	PC	HDMI
480i/576i(NTSC/PAL)	Yes	Yes		Yes
480p/576p		Yes		Yes
720p@(60/50)		Yes		Yes
1080i@(60/50)		Yes		Yes
1080p@(60/50)		Yes		Yes
1080p@(24/25/30)		Yes		Yes
1080psF @(24/25/30)				
480p/576p-RGB			Yes	Yes
720p@(60/50)-RGB			Yes	Yes
1080i@(60/50)-RGB				Yes
1080p@(60/50)-RGB			Yes	Yes
1080p@(24/25/30)-RGB				Yes
640x480@(60/67/72/75/85)			Yes	Yes
1080x600@(56/60/72/75)			Yes	Yes
1024x768@(60/70/75)			Yes	Yes
1280x1024@(60/75)			Yes	Yes
1280X960			Yes	Yes
1600X900@60			Yes	Yes
1600x1200@60			Yes	Yes
1280x800@60			Yes	Yes
1440x900@60			Yes	Yes
1366x768@60			Yes	Yes
1400x1050@60			Yes	Yes
1680x1050@60			Yes	Yes
1920x1200@60			Yes	Yes
2K@50 (2048X1080)			Yes	Yes
2K@60 (2048X1080)			Yes	Yes

VP-436N Output Resolutions

NATIVE	640x480 (60)	800x600 (60)	1024x768 (60)
1280X800 (60)	1366x768 (60)	1440x900 (60)	1280x1024 (60)
1400x1050 (60)	1600x1200 (60)	1920x1200 (60)	1600X900 (60)
480P (60)	480I (60)	576P(60)	576I (60)
720P(50/60)	1080i(50/60)	1080p(50/60)	480I (59)
480P (59)	720P (59)	1080I (59)	1080P (59)

VP-435

The following are the **VP-435** input and output resolutions.

VP-435 Input Resolutions

Resolution/Refresh Rate	Component	VGA	HDMI
480I/576I(NTSC/PAL)	Yes		
480P/576P	Yes		Yes (YUV)
720P@(60/50)	Yes		Yes (YUV)
1080I@(60/50)	Yes		Yes (YUV)
1080P@(60/50)	Yes		Yes (YUV)
1080P@(24/25/30)	Yes		Yes (YUV)
480P/576P-RGB		Yes	Yes
720P@(60/50)-RGB		Yes	Yes
1080I@(60/50)-RGB			Yes
1080P@(60/50)-RGB		Yes	Yes
1080P@(24/25/30)-RGB			Yes
640x480 @(60/67/72/75/85)		Yes	Yes
800x600 @(56/60/72/75)		Yes	Yes
1024x768 @(60/70/75)		Yes	Yes
1280x1024 @(60/75)		Yes	Yes
1280X960		Yes	Yes
1600X900 @60		Yes	Yes
1600X1200 @60		Yes	Yes
1280x800 @60		Yes	Yes
1440x900 @60		Yes	Yes
1366x768 @60		Yes	Yes
1400x1050 @60		Yes	Yes
1680x1050 @60		Yes	Yes
1920x1200 @60		Yes	Yes

VP-435 Output Resolutions

NATIVE	640x480 (60)	800x600 (60)	1024x768 (60)
1280X800 (60)	1366x768 (60)	1440x900 (60)	1280x1024 (60)
1400x1050 (60)	1680x1050 (60)	1600x1200 (60)	1920x1200 (60)
1600X900(60)	480P (60)	480I (60)	576P(50)
576I (60)	720P(50/60)	1080i(50/60)	1080p(50/60)

VP-434

The following are the **VP-434** input and output resolutions:

VP-434 Input Resolutions

Resolution/Refresh Rate	Component	HDMI
480i/576i(NTSC/PAL)	Yes	
480p/576p	Yes	Yes (YUV)
720p@(60/50)	Yes	Yes (YUV)
1080i@(60/50)	Yes	Yes (YUV)
1080p@(60/50)	Yes	Yes (YUV)
1080p@(24/25/30)	Yes	Yes (YUV)
480p/576p-RGB		Yes
720p@(60/50)-RGB		Yes
1080i@(60/50)-RGB		Yes
1080p@(60/50)-RGB		Yes
1080p@(24/25/30)-RGB		Yes
640x480 @(60/67/72/75/85)		Yes
800x600 @(56/60/72/75)		Yes
1024x768 @(60/70/75)		Yes
1280x1024 @(60/75)		Yes
1280X960		Yes
1600X900 @60		Yes
1600X1200 @60		Yes
1280x800 @60		Yes
1440x900 @60		Yes
1366x768 @60		Yes
1400x1050 @60		Yes
1680x1050 @60		Yes
1920x1200 @60		Yes

VP-434 Output Resolutions

NATIVE	640x480 (60)	800x600 (60)	1024x768 (60)
1280X800 (60)	1366x768 (60)	1440x900 (60)	1280x1024 (60)
1400x1050 (60)	1680x1050 (60)	1600x1200 (60)	1920x1200 (60)
1600X900(60)	480P (60)	480i (60)	576p(50)
576i (60)	720p(50/60)	1080i(50/60)	1080p(50/60)

VP-427A

The following are the **VP-427A** input and output resolutions:

VP-427A Input Resolutions

Resolution/Refresh Rate	Resolution/Refresh Rate
480I/576I(NTSC/PAL)	1280x1024@(60)
480P/576P	1600x1200@60
720P@(60/50)	1280x800@60
1080I@(60/50)	1366x768@60
1080P@(60/50)	1680x1050@60
1080P@(24/25/30)	1920x1200 RB@60
640x480@(60/72/75)	1440x900@60
800x600@(56/60/72/75)	1400x1050@60
1024x768@(60/70/75)	

VP-427A Output Resolutions

NATIVE	640x480 (60)	800x600 (60)	1024x768 (60)
1280X800 (60)	1680x1050 (60)	1440x900 (60)	1920x1200 (60)
1400x1050 (60)	480p (60)	1600x1200 (60)	720p(50/60)
1080i(50/60)	1080p(50/60)	576p(50)	

VP-427

The following are the **VP-427** input and output resolutions:

VP-427 Input Resolutions

Resolution/Refresh Rate	DVI	HDMI
480i/576i(NTSC/PAL)		Yes
480p/576p	Yes	Yes
720p@(60/50)	Yes	Yes
1080i@(60/50)	Yes	Yes
1080p@(60/50)	Yes	Yes
1080p@(24/25/30)	Yes	Yes
480p/576p-RGB	Yes	Yes
720p@(60/50)-RGB	Yes	Yes
1080i@(60/50)-RGB	Yes	Yes
1080p@(60/50)-RGB	Yes	Yes
1080p@(24/25/30)-RGB	Yes	Yes
640x480@(60/67/72/75/85)	Yes	Yes
1080x600@(56/60/72/75)	Yes	Yes
1024x768@(60/70/75)	Yes	Yes
1280x1024@(60/75)	Yes	Yes
1280X960	Yes	Yes
1600X900@60	Yes	Yes
1600X1200@60	Yes	Yes
1280x800@60	Yes	Yes
1440x900@60	Yes	Yes
1366x768@60	Yes	Yes
1400x1050@60	Yes	Yes
1680x1050@60	Yes	Yes
1920x1200@60	Yes	Yes

VP-427 Output Resolutions

NATIVE	640x480 (60)	800x600 (60)	1024x768 (60)
1280X800 (60)	1366x768 (60)	1440x900 (60)	1280x1024 (60)
1400x1050 (60)	1680x1050 (60)	1600x1200 (60)	1920x1200 (60)
1600X900(60)	480p (60)	576p(50)	720p(50/60)
1080i(50/60)	1080p(50/60)		

VP-426H2

The following are the **VP-426H2** input and output resolutions:

VP-426H2 Input Resolutions

Resolution/Refresh Rate	Component	PC	HDMI
480I/576I	Yes		Yes
480P/576P	Yes		Yes
720P@(60/50)	Yes		Yes
1080I@(60/50)	Yes		Yes
1080P@(60/50)	Yes		Yes
1080P@(24/25/30)	Yes		Yes
640x480@(60/67/72/75/85)		Yes	Yes
800x600@(56/60/72/75)		Yes	Yes
1024x768@(60/70/75)		Yes	Yes
1280x1024@(60/75)		Yes	Yes
1280X960@60		Yes	Yes
1280X720@60		Yes	Yes
1920X1080@60		Yes	Yes
1600X1200@60		Yes	Yes
1280x768@60		Yes	Yes
1280x800@60		Yes	Yes
1360x768@60		Yes	Yes
1366x768@60		Yes	Yes
1400x1050@60		Yes	Yes
1600X900@60		Yes	Yes
1680x1050@60		Yes	Yes
1920x1200@60 RB		Yes	Yes
4K2K@(24/25/30/50/60)			Yes
4K2K(4:2:0)@(50/60)			Yes

VP-426H2 Output Resolutions

For HDMI and VGA outputs

640x480@60Hz	800x600@60Hz	1024x768@60Hz	1280x768@60Hz
1360x768@60Hz	1280x800@60Hz	1280x1024@60Hz	1440x900@60Hz
1400x1050@60Hz	1680x1050@60Hz	1600x1200@60Hz	1920x1200 RB@60Hz

For HDMI output only

480P@60Hz	576P@50Hz	720P@50/60Hz
1080P@24/25/30/50/60Hz	4k2k@24/25/30/50/60Hz	4k2k(4:2:0)@50/60Hz

VP-426

The following are the **VP-426** input and output resolutions:

VP-426 Input Resolutions

Resolution/Refresh Rate	Component	PC	HDMI
480i/576i	Yes		Yes
480p/576p	Yes		Yes
720p @(60/50)	Yes		Yes
1080i @(60/50)	Yes		Yes
1080p @(60/50)	Yes		Yes
1080p @(24/25/30)			Yes
VGA @(60/67/72/75/85)		Yes	Yes
SVGA @(56/60/72/75)		Yes	Yes
XGA @(60/70/75)		Yes	Yes
SXGA @(60/75)		Yes	Yes
1280X960		Yes	Yes
1600X900 @60		Yes	Yes
UXGA @60 (1600X1200)		Yes	Yes
WXGA @60(1280x800)		Yes	Yes
WXGA+ @60(1440x900)		Yes	Yes
WXGA @60(1366x768)		Yes	Yes
SXGA+ @60(1400x1050)		Yes	Yes
WSXGA @60(1680x1050)		Yes	Yes
WUXGA @60(1920x1200)		Yes	Yes

VP-426 Output Resolutions

NATIVE	480i	480p	720p@60Hz
1080i@60Hz	1080p@60Hz	576i	576p
720p@50Hz	1080i@50Hz	1080p@50Hz	640x480
800x600	1024x768	1280x1024	1600x1200
1366x768	1680x1050	1920x1200	1280x800
1440x900	1400x1050	1600x900	

VP-425

The following are the **VP-425** input and output resolutions:

VP-425 Input Resolutions

Resolution/Refresh Rate	Component	VGA
480i/576i(NTSC/PAL)	Yes	
480p/576p	Yes	
720p@(60/50)	Yes	
1080i@(60/50)	Yes	
1080p@(60/50)	Yes	
1080p@(24/25/30)	Yes	
720p@(60/50)-RGB		Yes
1080p@(60/50)-RGB		Yes
640x480@(60/67/72/75/85)		yes
1080x600@(56/60/72/75)		Yes
1024x768@(60/70/75)		Yes
1280x1024@(60/75)		Yes
1280X960		Yes
1600X900@60		Yes
1600X1200@60		Yes
1280x800@60		Yes
1440x900@60		Yes
1366x768@60		Yes
1400x1050@60		Yes
1680x1050@60		Yes
1920x1200@60		Yes

VP-425 Output Resolutions

NATIVE	640x480 (60)	800x600 (60)	1024x768 (60)
1280X800 (60)	1366x768 (60)	1440x900 (60)	1280x1024 (60)
1400x1050 (60)	1680x1050 (60)	1600x1200 (60)	1920x1200 (60)
1600X900(60)	480p (60)	576p(50)	720p(50/60)
1080i(50/60)	1080p(50/60)		

VP-424

The following are the **VP-424** input and output resolutions:

VP-424 Input Resolutions

Resolution/Refresh Rate	DVI	HDMI
480i/576i(NTSC/PAL)		Yes
480p/576p	Yes	Yes
720p@(60/50)	Yes	Yes
1080i@(60/50)	Yes	Yes
1080p@(60/50)	Yes	Yes
1080p@(24/25/30)	Yes	Yes
480p/576p-RGB	Yes	Yes
720p@(60/50)-RGB	Yes	Yes
1080i@(60/50)-RGB	Yes	Yes
1080p@(60/50)-RGB	Yes	Yes
1080p@(24/25/30)-RGB	Yes	Yes
640x480@(60/67/72/75/85)	Yes	Yes
1080x600@(56/60/72/75)	Yes	Yes
1024x768@(60/70/75)	Yes	Yes
1280x1024@(60/75)	Yes	Yes
1280X960	Yes	Yes
1600X900@60	Yes	Yes
1600X1200@60	Yes	Yes
1280x800@60	Yes	Yes
1440x900@60	Yes	Yes
1366x768@60	Yes	Yes
1400x1050@60	Yes	Yes
1680x1050@60	Yes	Yes
1920x1200@60	Yes	Yes

VP-424 Output Resolutions

NATIVE	640x480 (60)	800x600 (60)	1024x768 (60)
1280X800 (60)	1366x768 (60)	1440x900 (60)	1280x1024 (60)
1400x1050 (60)	1680x1050 (60)	1600x1200 (60)	1920x1200 (60)
1600X900(60)	480p (60)	576p(50)	720p(50/60)
1080i(50/60)	1080p(50/60)		

VP-423

The following are the **VP-423** input and output resolutions:

VP-423 Input Resolutions

720p@(60/50)	1080p@(60/50)	640x480@(60/72/75/85)
1080x600@(56/60/72/75/85)	1024x768@(60/70/75/85)	1280x1024@(60/75/85)
1600x1200@60	1680x1050@60	1920x1200@60(1920x1200)

VP-423 Output Resolutions

PC:

640x480 (60)	1280x1024 (60)	1920x1200 (60)	1080x600 (60)	1440x900 (60)
1280x720 (60)	1024x768 (60)	1400x1050 (60)	1920x1080 (60)	1280x768 (60)
1680x1050 (60)	1280x720 (50)	1366x768 (60)	1600x1200 (60)	1920x1080 (50)
1366x768 60	1600x1900			

HD:

720pRGB @ 50/60Hz	1080pRGB @ 50/60Hz)
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VP-422

The following are the **VP-422** input and output resolutions:

VP-422 Input Resolutions

720p@(60/50)RGB	1080p@(60/50)RGB	640x480@(60/72/75/85)
1080x600@(56/60/72/75/85)	1024x768@(60/70/75/85)	1280x1024@(60/75/85)
1600x1200@60	1280x800@60	1440x900@60
1366x768@60	1400x1050@60	1680x1050@60
1920x1200@60		

VP-422 Output Resolutions

PC:

640x480 (60)	1080x600 (60)	1024x768 (60)
1366x768 (60)	1680x1050 (60)	1920x1200 (60)
1280x1024 (60)	1600x1200 (60)	1280x800 (60)
1440x900 (60)	1400x1050 (60)	1600x1900
1080pRGB		

HD:

480p	576p	720p @50/60Hz
1080p @50/60Hz	1080i @50/60Hz	

VP-421

The following are the **VP-421** input and output resolutions:

VP-421 Input Resolutions

720p@(60/50)RGB	1080p@(60/50)RGB	640x480@(60/72/75/85)
1080x600@(56/60/72/75/85)	1024x768@(60/70/75/85)	1280x1024@(60/75/85)
1600x1200@60	1280x800@60	1440x900@60
1366x768@60	1400x1050@60	1680x1050@60
1920x1200@60		

VP-421 Output Resolutions

PC:

640x480 (60)	1080x600 (60)	1024x768 (60)
1280x800 (60)	1280x1024 (60)	1600x1200 (60)
1366x768 (60)	1400x1050 (60)	1440x900 (60)
1680x1050 (60)	1920x1200 (60)	

Component:

480p	576p	720p @50/60Hz
1080p @50/60Hz	1080i @50/60Hz	

VP-420

The following are the **VP-420** input and output resolutions:

VP-420 Input Resolutions

720p@(60/50)RGB	1080p@(60/50)RGB	640x480@(60/72/75/85)
1080x600@(56/60/72/75/85)	1024x768@(60/70/75/85)	1280x1024@(60/75/85)
1600x1200@60	1280x800@60	1440x900@60
1366x768@60	1400x1050@60	1680x1050@60
1920x1200@60		

VP-420 Output Resolutions

PC:

640x480 (60)	1080x600 (60)	1024x768 (60)	1280x800 (60)
1280x1024 (60)	1600x1200 (60)	1366x768 (60)	1400x1050 (60)
1440x900 (60)	1680x1050 (60)	1920x1200 (60)	

VP-419xl

The following are the **VP-419xl** input and output resolutions:

VP-419xl Input Resolution

CV and s-Video:

NTSC	N4.43	PAL
PAL-M	PAL-N	SECAM

Y, Pb, Pr:

480p	576p	720p (50)
720p (60)	1080i (50)	1080i (60)

VP-419xl Output Resolution

PC:

640x480 (60)	1080x600 (60)	1024x768 (60)	1280x1024 (60)
1600x1200 (60)	1366x768 (60)	1440x900 (60)	1680x1050 (60)

Y, Pb, Pr:

480p	576p	720p (50)	720p (60)
1080i (50)	1080i (60)	1080p (50)	1080p (60)

VP-417

The following are the **VP-417** input and output resolutions:

VP-417 Input Resolution

Y/C and CV: NTSC + PAL

VP-417 Output Resolution

PC:

Native	1440x900	1280x1024
1400x1050	1680x1050	1600x1200
1920x1200RB		

DVI:

1440x900	1280x1024	1400x1050
1680x1050	1600x1200	1920x1200RB
480p	576p	720p @50/60Hz
1080p @50/60Hz	1080i @50/60Hz	

VP-413xl

The following are the **VP-413xl** output resolutions:

VP-413xl Output Resolution

PC:

640 x 480	800 x 600	1024 x 768	1366 x 768
1280x1024	1600x1200	1920x1200	

VP-410

The following are the **VP-410** input and output resolutions:

VP-410 Input Resolution

CV: NTSC

VP-410 Output Resolution

HDMI:

480p	576p	720p @50/60Hz
1080p @50/60Hz	1080i @50/60Hz	

VP-409

VP-409 Input Resolution

Y/C and CV: NTSC + PAL

VP-409 Output Resolution

PC:

Native	1440x900	1280x1024
1400x1050	1680x1050	1600x1200
1920x1200RB		

Limited Warranty

The warranty obligations of Kramer Electronics Inc. ("Kramer Electronics") for this product are limited to the terms set forth below:

What is Covered

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What is Not Covered

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The standard limited warranty for Kramer products is seven (7) years from the date of original purchase, with the following exceptions:

1. All Kramer VIA products are covered by a standard three (3) year warranty for VIA hardware and a standard one (1) year warranty for firmware and software updates. (An extended software warranty plan for an additional 2 years can be purchased separately).
2. All Kramer fiber optic cables and adapters, all Kramer speakers and Kramer touch panels are covered by a standard one (1) year warranty.
3. All Kramer Cobra products, all Kramer Calibre products, and all Kramer Minicom digital signage products are covered by a standard three (3) year warranty.
4. All Sierra Video MultiViewers are covered by a standard five (5) year warranty.
5. Sierra switchers & control panels are covered by a standard seven (7) year warranty (excluding power supplies and fans that are covered for three (3) years).
6. K-Touch software is covered by a standard one (1) year warranty for software updates.

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Kramer Electronics will, at its sole option, provide one of the following three remedies to whatever extent it shall deem necessary to satisfy a proper claim under this limited warranty:

1. Elect to repair or facilitate the repair of any defective parts within a reasonable period of time, free of any charge for the necessary parts and labor to complete the repair and restore this product to its proper operating condition. Kramer Electronics will also pay the shipping costs necessary to return this product once the repair is complete.
2. Replace this product with a direct replacement or with a similar product deemed by Kramer Electronics to perform substantially the same function as the original product.
3. Issue a refund of the original purchase price less depreciation to be determined based on the age of the product at the time remedy is sought under this limited warranty.

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If this product is returned to Kramer Electronics or the authorized dealer from which it was purchased or any other party authorized to repair Kramer Electronics products, this product must be insured during shipment, with the insurance and shipping charges prepaid by you. If this product is returned uninsured, you assume all risks of loss or damage during shipment. Kramer Electronics will not be responsible for any costs related to the removal or re-installation of this product from or into any installation. Kramer Electronics will not be responsible for any costs related to any setting up this product, any adjustment of user controls or any programming required for a specific installation of this product.

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SAFETY WARNING

Disconnect the unit from the power supply before opening and servicing

For the latest information on our products and a list of Kramer distributors, visit our Web site where updates to this user manual may be found.

We welcome your questions, comments, and feedback.