



# Display & Control

Products and Solutions

2016 Version 2



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# OUR DEVELOPMENT



## LCD Splicing Screen

- Ultranarrow LCD unit, better splicing effect
- High resolution(1920x1080)
- High contrast and brightness greatly enhances the video layering and presents the video details
- Shorter response time and no image ghosting
- Tamper-proof metal housing without radiation



### 3.5mm Series

	DHL550UCH-ES	DHL550UCM-ES
Model		
Diagonal	55"(16:9)	55"(16:9)
LCD Technology	PID	PID
Resolution	1920x1080	1920x1080
Backlight	Direct LED	Direct LED
Bezel Width	3.5mm	3.5mm
Pixel Density	40dpi	40dpi
Luminance	700cd/m <sup>2</sup>	500cd/m <sup>2</sup>
Contrast	4500:1	4000:1
Viewing Angle	H 178°, V 178°	H 178°, V 178°
Response Time	8ms	8ms
Display Color	8bit	8bit
Color Temperature	10,000K	10,000K
MTBF	50,000h	50,000h
Input	2 CVBS, 1 VGA 1 DVI-D, 1 HDMI	2 CVBS, 1 VGA 1 DVI-D, 1 HDMI
Output	2 CVBS	2 CVBS
Control	RS232, Infrared Remote	RS232, Infrared Remote
Working Temperature	0°C~+50°C (+32°F~+122°F)	0°C~+50°C (+32°F~+122°F)
Working Humidity	10~90%	10~90%
Power	AC90~264V(+/-5%), 150W	AC90~264V(+/-5%), 130W
Dimensions	1213.5x684.4x116.1mm (47.8"x26.9"x4.6")	1213.5x684.4x116.1mm (47.8"x26.9"x4.6")
Installation	Base, Wall-mounted(Optional)	Base, Wall-mounted(Optional)

3.5mm Series			5.3mm Series	
Model	DHL490UCM-EG	DHL460UCH-ES	DHL460UCM-ES	DHL460UTS-E
				
Diagonal	49"(16:9)	46"(16:9)	46"(16:9)	46"(16:9)
LCD Technology	IPS	PID	PID	S-PVA
Resolution	1920x1080	1920x1080	1920x1080	1920x1080
Backlight	Direct LED	Direct LED	Direct LED	Direct LED
Bezel Width	3.5mm	3.5mm	3.5mm	5.3mm
Pixel Density	46dpi	48dpi	48dpi	48dpi
Luminance	450cd/m <sup>2</sup>	800cd/m <sup>2</sup>	500cd/m <sup>2</sup>	500cd/m <sup>2</sup>
Contrast	1300:1	4800:1	3500:1	3500:1
Viewing Angle	H 178°, V 178°	H 178°, V 178°	H 178°, V 178°	H 178°, V 178°
Response Time	8ms	8ms	8ms	8ms
Display Color	8bit	8bit	8bit	8bit
Color Temperature	10,000K	10,000K	10,000K	10,000K
MTBF	50,000h	50,000h	50,000h	50,000h
Input	2 CVBS, 1 VGA 1 DVI-D, 1 HDMI	2 CVBS, 1 VGA 1 DVI-D, 1 HDMI	2 CVBS, 1 VGA 1 DVI-D, 1 HDMI	2 CVBS, 1 VGA 1 DVI-D, 1 HDMI
Output	2 CVBS	2 CVBS	2 CVBS	2 CVBS
Control	RS232, Infrared Remote	RS232, Infrared Remote	RS232, Infrared Remote	RS232, Infrared Remote
Working Temperature	0°C~+50°C (+32°F~+122°F)	0°C~+50°C (+32°F~+122°F)	0°C~+50°C (+32°F~+122°F)	0°C~+50°C (+32°F~+122°F)
Working Humidity	10~90%	10~90%	10~90%	10~90%
Power	AC90~264V(+/-5%), 90W	AC90~264V(+/-5%), 133W	AC90~264V(+/-5%), 110W	AC90~264V(+/-5%), 133W
Dimensions	1077.6×607.8×111.7mm (42.4"×23.9"×4.4")	1021.9×576.6×117.0mm (40.2"×22.7"×4.6")	1021.9×576.6×117.0mm (40.2"×22.7"×4.6")	1024.1×579.0×133.0mm (40.3"×22.8"×5.2")
Installation	Base, Wall-mounted(Optional)	Base, Wall-mounted(Optional)	Base, Wall-mounted(Optional)	Base, Wall-mounted(Optional)

## LED Splicing Screen

### Indoor Series

- Ultra small pixel pitch displays all the video details
- Larger viewing angle, soft image and high definition suits indoor application
- High brightness, low attenuation, high reliability and good consistency
- None granular effect, better color uniformity and none mosaic phenomenon





### Outdoor Series

- Ultra high brightness makes the video clear even under sunshine
- Excellent color uniformity and brightness
- Brightness self-adaption, suits different brightness environment
- High reliability and long lifespan
- Antiseptic, anti-thunder, anti-vibration

### Indoor Series

	PHSA1.6-SH	PHSA1.9-SH	PHSA2.5-SH
Model			
Pixel Pitch	1.667mm	1.904mm	2.5mm
Pixel Configuration	1R1G1B	1R1G1B	1R1G1B
Pixel Density	360,000pixels/m <sup>2</sup>	275,625pixels/m <sup>2</sup>	160,000pixels/m <sup>2</sup>
Brightness	800cd/m <sup>2</sup>	800cd/m <sup>2</sup>	800cd/m <sup>2</sup>
Contrast	3000:1	3000:1	5000:1
Display Frame Rate	50/60Hz	50/60Hz	50/60Hz
Refresh Rate	≥3,840Hz	≥3,200Hz	≥3,200Hz
Color Temperature	6,500K	6,500K	6,500K
Viewing Angle	H 140°, V 120°	H 120°, V 100°	H 120°, V 100°
Viewing Distance	≥1.7m	≥2m	≥2.5m
Display Color	16bit	16bit	16bit
MTBF	100,000h	100,000h	100,000h
Input	AV, S-Video, VGA, DVI YPbPr, HDMI, SDI, DP	AV, S-Video, VGA, DVI YPbPr, HDMI, SDI, DP	AV, S-Video, VGA, DVI YPbPr, HDMI, SDI, DP
Ingress Protection	IP50	IP30	IP30
Working Temperature	0°C~+45°C (+32°F~+113°F)	0°C~+45°C (+32°F~+113°F)	0°C~+45°C (+32°F~+113°F)
Working Humidity	10~90%	10~90%	10~90%
Power	AC100~240V(+/-15%), 191W/m <sup>2</sup>	AC100~240V(+/-15%), 251W/m <sup>2</sup>	AC100~240V(+/-15%), 174W/m <sup>2</sup>
Module Panel Size	240×240mm (9.4"×9.4")	240×240mm (9.4"×9.4")	160×160mm (6.3"×6.3")
Weight	8.95kg(19.7lb)	9.5kg(20.9lb)	11.5kg(25.4lb)

## Outdoor Series

	DH-PHOA10	DH-PHOA12	DH-PHOA16	DH-PHOA20
Model				
Pixel Pitch	10mm	12mm	16mm	20mm
Pixel Configuration	1R1G1B	1R1G1B	1R1G1B	1R1G1B
Pixel Density	10,000pixels/m <sup>2</sup>	6,944pixels/m <sup>2</sup>	3,906pixels/m <sup>2</sup>	2,500pixels/m <sup>2</sup>
Brightness	6,500cd/m <sup>2</sup>	5,500cd/m <sup>2</sup>	7,500cd/m <sup>2</sup>	5,500cd/m <sup>2</sup>
Contrast	1000:1	1000:1	1000:1	1000:1
Display Frame Rate	≥60Hz	≥60Hz	≥60Hz	≥60Hz
Refresh Rate	≥1,920Hz	≥2,000Hz	≥3,000Hz	≥3,000Hz
Color Temperature	6,500K	6,500K	6,500K	6,500K
Viewing Angle	H 120°, V 60°	H 120°, V 60°	H 120°, V 60°	H 120°, V 60°
Viewing Distance	≥10m	≥12m	≥16m	≥20m
Display Color	14bit	14bit	14bit	14bit
MTBF	≥100,000h	≥100,000h	≥100,000h	≥100,000h
Input	AV, S-Video, VGA, DVI YPbPr, HDMI, SDI, DP	AV, S-Video, VGA, DVI YPbPr, HDMI, SDI, DP	AV, S-Video, VGA, DVI YPbPr, HDMI, SDI, DP	AV, S-Video, VGA, DVI YPbPr, HDMI, SDI, DP
Ingress Protection	Front: IP65/Back: IP54	Front: IP65/Back: IP54	Front: IP65/Back: IP54	Front: IP65/Back: IP54
Working Temperature	-20°C~+50°C (-4°F~+122°F)	-20°C~+50°C (-4°F~+122°F)	-20°C~+50°C (-4°F~+122°F)	-20°C~+50°C (-4°F~+122°F)
Working Humidity	10~95%	10~95%	10~95%	10~95%
Power	AC110~240V(+/-15%), 220W/m <sup>2</sup>	AC110~240V(+/-15%), 250W/m <sup>2</sup>	AC110~240V(+/-15%), 220W/m <sup>2</sup>	AC110~240V(+/-15%), 200W/m <sup>2</sup>
Module Panel Size	160×160mm (6.3"×6.3")	192×192mm (7.6"×7.6")	256×256mm (10.1"×10.1")	320×320mm (12.6"×12.6")
Weight	50kg(110.2lb)	52kg(114.6lb)	55kg(121.3lb)	68kg(149.9lb)

## LCD Monitor

### 4K Series

- Ultra high resolution of 3840x2160 displays more video details
- High brightness, contrast and large color number makes gorgeous and vivid picture
- Intelligent brightness control makes the best display performance under different brightness environments

### High Protective Series






- Tamper-proof metal housing, without radiation and anti-magnetic
- Abundant interfaces meet different application scenarios
- High brightness, contrast and large color number makes gorgeous and vivid picture
- Industrial level DID LCD panel, suitable for 7x24 continuous work

### Light Series




- High resolution
- Shorter response time and no image ghosting
- Built-in speaker
- Plastic housing, light and cost-effective

4K Series		
	DHL55-4K	DHL49-4K
Model		
Diagonal	54.6"(16:9)	48.5"(16:9)
Resolution	3840x2160	3840x2160
Luminance	500cd/m <sup>2</sup>	500cd/m <sup>2</sup>
Contrast	1100:1	1100:1
Viewing Angle	H 178°, V 178°	H 178°, V 178°
Response Time	8ms	8ms
Gamut	0.72(CIE1931)	0.72(CIE1931)
Display Color	8bit	8bit
Input	1 VGA, 1 DVI-D 2 HDMI, 1 USB, HDCVI(Optional)	1 VGA, 1 DVI-D 2 HDMI, 1 USB, HDCVI(Optional)
Output	1 Audio, 1 RS232	1 Audio, 1 RS232
Control	RS232, Infrared Remote	RS232, Infrared Remote
Working Temperature	0°C~+50°C (+32°F~+122°F)	0°C~+50°C (+32°F~+122°F)
Working Humidity	20~90%	20~90%
Power	AC100~240V(+/-10%), 80W	AC100~240V(+/-10%), 70W
Dimensions	1263.1x743.9x51.9mm (49.7"x29.3"x2.0")	1127.1x667.3x51.9mm (44.4"x26.3"x2.0")
Weight	26.5kg(58.4lb)	18kg(39.7lb)

## High Protective Series

	DHL55	DHL49	DHL42	DHL32	DHL27
Model					
Diagonal	54.6"(16:9)	49"(16:9)	42"(16:9)	31.5"(16:9)	27"(16:9)
Resolution	1920×1080	1920×1080	1920×1080	1366×768	1920×1080
Luminance	700cd/m <sup>2</sup>	450cd/m <sup>2</sup>	700cd/m <sup>2</sup>	600cd/m <sup>2</sup>	300cd/m <sup>2</sup>
Contrast	4500:1	1100:1	1000:1	4000:1	3500:1
Viewing Angle	H 178°, V 178°	H 178°, V 178°	H 178°, V 178°	H 178°, V 178°	H 178°, V 178°
Response Time	5.8ms	5.8ms	5.8ms	5.8ms	5.8ms
Gamut	0.72(CIE1931)	0.72(CIE1931)	0.72(CIE1931)	0.72(CIE1931)	0.72(CIE1931)
Display Color	8bit	8bit	8bit	8bit	8bit
Input	2 CVBS, 1 VGA, 1 DVI-D 1 HDMI, Audio(Optional)	2 CVBS, 1 VGA, 1 DVI-D 1 HDMI, Audio(Optional)	2 CVBS, 1 VGA, 1 DVI-D 1 HDMI, Audio(Optional)	2 CVBS, 1 VGA, 1 DVI-D 1 HDMI, Audio(Optional)	2 CVBS, 1 VGA, 1 DVI-D 1 HDMI, Audio(Optional)
Output	2 CVBS	2 CVBS, Audio (Optional)	2 CVBS	2 CVBS	2 CVBS
Control	RS232, Infrared Remote	RS232, Infrared Remote	RS232, Infrared Remote	RS232, Infrared Remote	RS232, Infrared Remote
Working Temperature	0°C~+50°C (+32°F~+122°F)	0°C~+50°C (+32°F~+122°F)	0°C~+50°C (+32°F~+122°F)	0°C~+50°C (+32°F~+122°F)	0°C~+50°C (+32°F~+122°F)
Working Humidity	20~90%	20~90%	20~90%	20~90%	20~90%
Power	AC100~240V(+/-10%), 98W	AC100~240V(+/-10%), 60W	AC100~240V(+/-10%), 65W	AC100~240V(+/-10%), 35W	AC100~240V(+/-10%), 24W
Dimensions	1283.0×755.0×49.1mm (50.5"×29.7"×1.9")	1127.1×667.3×52.9mm (44.4"×26.3"×2.1")	1004.0×598.0×48.2mm (39.5"×23.5"×1.9")	772.00×467.00×72.40mm (30.4"×18.4"×2.9")	669.0×408.0×42.7mm (26.3"×16.1"×1.7")
Weight	35kg(77.2lb)	15kg(33.1lb)	17kg(37.5lb)	10kg(22.0lb)	7kg(15.4lb)

## Light Series

	DHL43-F600	DHL32-F600	DHL22-F600
Model			
Diagonal	42.5"(16:9)	31.5"(16:9)	20.7"(16:9)
Resolution	1920×1080	1920×1080	1920×1080
Luminance	350cd/m <sup>2</sup>	300cd/m <sup>2</sup>	250cd/m <sup>2</sup>
Contrast	1200:1	1200:1	1000:1
Viewing Angle	H 178°, V 178°	H 178°, V 178°	H 178°, V 130°
Response Time	5ms	5ms	5ms
Gamut	0.72(CIE1931)	0.72(CIE1931)	0.72(CIE1931)
Display Color	8bit	8bit	8bit
Input	1 VGA, 1 HDMI 1 Audio	1 VGA, 2 HDMI 1 Audio	1 VGA, 1 HDMI 1 Audio
Output	1 Speaker	1 Speaker	1 Speaker
Control	Physical Button	Physical Button	Physical Button
Working Temperature	0°C~+40°C (+32°F~+104°F)	0°C~+40°C (+32°F~+104°F)	0°C~+40°C (+32°F~+104°F)
Working Humidity	10~90%	10~90%	10~90%
Power	AC100~240V(+/-10%), 58W	AC100~240V(+/-10%), 52W	AC100~240V(+/-10%), 23W
Dimensions	966.9×561.0×86.0mm (38.1"×22.1"×3.4")	731.2×435.6×79.2mm (28.8"×17.1"×3.1")	490.3×292.3×48.3mm (19.3"×11.5"×1.9")
Weight	7.7kg(17.0lb)	5.4kg(11.9lb)	2.5kg(5.5lb)






# Matrix

- Powerful multi-core processor features perfect processing capability
- Flexible configuration with slot design
- Splicing screens control for zoom/merge/roam/overlay
- Support multi-standard interfaces
- Redundant power optional and smart temperature controlled fan







## Matrix

	M60	M70-E	M70	M30
Model				
Support Screens	180 Screens	60 Screens	40 Screens	9 Screens
Splicing Control	Zoom/Merge/Roam/Overlay	Zoom/Merge/Roam/Overlay	Zoom/Merge/Roam/Overlay	Zoom/Merge/Roam/Overlay
Card Slots	1 Main slot, 1 Control slot and 10 service slots	1 Main slot, 1 Control slot and 10 service slots	1 Main slot, 1 Control slot and 10 service slots	1 Main slot, 2 Service slots
Max Encoding	160CH@1080P/320CH@D1	80CH@1080P/320CH@D1	80CH@1080P/320CH@D1	16CH CVBS & 8CH DVI collecting with no encoding
Max Decoding	240CH@4K/960CH@1080P/1920CH@720P/3840CH@D1	80CH@4K/320CH@1080P/720CH@720P/1500CH@D1	160CH@1080P/320CH@720P/640CH@D1	13CH@1080P/18CH@720P/28CH@D1
Local Video Input	CVBS/HDCVI/VGA/DVI/HDMI	CVBS/HDSDI/HDCVI/VGA/DVI/HDMI	CVBS/HDSDI/HDCVI/VGA/DVI/HDMI	DVI/CVBS(VGA/HDMI with convertor)
Network Video Input	IPC/DVR/NVR/VNC, etc.	IPC/DVR/NVR/VNC, etc.	IPC/DVR/NVR/VNC, etc.	IPC/DVR/NVR/VNC, etc.
Video Output	DVI/HDMI/VGA/BNC	DVI/HDMI	DVI/HDMI/VGA	DVI(VGA/HDMI with convertor)
Audio In/Out	1/1 3.5mm jack(For intercom), Extra audio input on encoding card	1/1 3.5mm jack(For intercom)	1/1 3.5mm jack(For intercom)	1/1 BNC(For intercom)
Processor	64 bit quad core processor	64 bit quad core processor	64 bit quad core processor	High performance embedded processor
Bus	PCI-E	PCI-E, Ethernet	PCI-E	Serial
Case	12U 19" standard Industry Box	4U 19" standard Industry Box	4U 19" standard Industry Box	3U 19" standard Industry Box
Ethernet	8 RJ-45 ports(10/100/1000M) optional for optical	6 RJ-45 ports(10/100/1000M), 2 in mainboard and 4 in control board	2 RJ-45 ports(10/100/1000M)	1 RJ-45 ports(10/100/1000M)
USB	4 USB2.0	3 USB2.0, 1 USB3.0	3 USB2.0, 1 USB3.0	2 USB2.0
Power	AC100~240V	AC100~240V	AC100~240V	AC100~240V
Control Mode	WEB/Local menu/PC client-end Network keyboard/Ipad	WEB/Local menu/PC client-end Network keyboard/Ipad	WEB/Local menu/PC client-end Network keyboard/Ipad	WEB/PC client-end Network keyboard/Ipad
Highlights	4K & H.265 decoding, Ultrahigh bandwidth, Support multi-network segment, Support alarm board and cascade board, Extra audio collection	4K & H.265 decoding, more powerful decoding capacity in one ouput, Fisheye adjustment	Local encoding, Local decoding	Local collection

## M60 Encoding Cards

					
Model	VEC3204FB-M60	VEC1604HS-M60	VEC0804HD-M60	VEC1604HC-M60	VEC0804HV-M60
Type	CVBS encoding input	HDSDI encoding input	DVI-I encoding input	HDCVI encoding input	VGA encoding input
Video Interface	32CH BNC(1.0Vp-p, 75Ω)	16CH BNC(1.0Vp-p, 75Ω)	4CH DVI-I(VGA/HDMI with convertor)	16CH BNC(1.0Vp-p, 75Ω)	8CH VGA
Audio Interface	32CH, DB26(DVI)(2.0Vp-p,1KΩ), G.711a	16CH, DB26(DVI)(2.0Vp-p,1KΩ), G.711a	8CH, DB26(DVI)(2.0Vp-p,1KΩ), G.711a	16CH, DB26(DVI)(2.0Vp-p,1KΩ), G.711a	8CH, DB26(DVI)(2.0Vp-p,1KΩ), G.711a
Capability	32CH@D1	16CH@1080p	8CH@1080P	16CH@1080P	8CH@1080P

## M60 Decoding Cards

					
Model	VDC1204B-M60	VDC0804V-M60	VDC0804D-M60	VDC0804H-M60	VDC1805H-M60
Type	BNC decoding output	VGA decoding output	DVI decoding output	HDMI decoding output	HDMI decoding output
Video Interface	12CH BNC	8CH VGA	8CH DVI-D(HDMI with convertor)	8CH HDMI	18CH HDMI
Audio Interface	12CH, DB15(VGA)(2.0Vp-p,1KΩ), G.711a	8CH, DB15(VGA)(2.0Vp-p,1KΩ), G.711a	8CH, DB15(VGA)(2.0Vp-p,1KΩ), G.711a	8CH, DB15(VGA)(2.0Vp-p,1KΩ), G.711a	18CH, 2 DB15(VGA)(2.0Vp-p,1KΩ), G.711a
Split Mode	1/4/6/8/9	1/4/6/8/9/16	1/4/6/8/9/16	1/4/6/8/9/16	1/4/6/8/9/16
Capability	48CH@D1	32CH@1080p/64CH@720p/128CH@D1	32CH@1080p/64CH@720p/128CH@D1	32CH@1080p/64CH@720p/128CH@D1	24CH@12MP(15fps)/24CH@4K/96CH@1080p/192CH@720p/384CH@D1


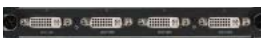

## M70-E &amp; M70 Encoding Cards

						
Model	VEC0404HD-M70	VEC0404HH-M70	VEC0404HV-M70	VEC3204FB-M70	VEC0804HC-M70	VEC0804HS-M70
Type	DVI encoding input	HDMI encoding input	VGA encoding input	CVBS encoding input	HDCVI encoding input	HDSDI encoding input
Interface	4CH DVI-I(HDMI & VGA with convertor)	4CH HDMI	4CH VGA	32CH BNC(1.0Vp-p, 75Ω, with convertor)	8CH BNC(1.0Vp-p, 75Ω)	8CH BNC(1.0Vp-p, 75Ω)
Capability	4CH 1080P	4CH 1080P	4CH 1080P	32CH@D1	8CH@1080P	8CH@1080P

## M70 Decoding Cards

			
Model	VDC0404D-M70	VDC0404H-M70	VDC0404V-M70
Type	DVI decoding output	HDMI decoding output	VGA decoding output
Video Interface	4CH DVI-D	4CH HDMI	4CH VGA
Split Mode	1/4/9/16	1/4/9/16	1/4/9/16
Capability	16CH@1080P/32CH@720P/64CH@D1	16CH@1080P/32CH@720P/64CH@D1	16CH@1080P/32CH@720P/64CH@D1

## M70-E Decoding Cards

		
Model	VDC0404HD-M70	VDC0605H-M70
Type	DVI decoding output	HDMI decoding output
Video Interface	4CH DVI-D(HDMI with convertor)	6CH HDMI
Split Mode	1/4/9/16/25/36	1/4/9/16/25/36
Capability	8CH@12MP(15fps)/8CH@4K/32CH@1080P/72CH@720P/144CH@D1	8CH@12MP(15fps)/8CH@4K/32CH@1080P/72CH@720P/150CH@D1

# Control

## Decoder

- Support multi-standard interfaces
- Support local PC signal collection
- Splicing screens control for zoom/merge/roam/overlay



### 4K Series Decoder

- Powerful CPU, support 4K & H.265 decoding





### HD Series Decoder

- High performance embedded processor, support 1080P decoding

## 4K Series

	NVD0905DH-4K	NVD0405DH-4K	NVS0104DH-4K
Model			
Support Screen	9 Screens	4 Screens	1 Screen
Splicing Control	Zoom/Merge/Roam/Overlay	Zoom/Merge/Roam/Overlay	Zoom/Roam/Overlay
Split Mode	1/4/9/16	1/4/9/16	1/4/9/16/25/36/64
Max Decoding	9CH@12Mp(15fps)/9CH@4K/36CH@1080P/81CH@720P/144CH@D1	4CH@12Mp(15fps)/4CH@4K/16CH@1080P/36CH@720P/64CH@D1	4CH@12Mp(15fps)/4CH@4K/16CH@1080P/36CH@720P/64CH@D1
Local Video Input	2CH HDMI, 2CH DVI-I	1CH HDMI	—
Network Video Input	IPC/DVR/NVR, etc.	IPC/DVR/NVR, etc.	IPC/DVR/NVR, etc.
Video Output	HDMI(DVI with convertor)	HDMI/VGA/BNC	HDMI/VGA
Audio Out	HDMI	HDMI, 4 BNC(200-3000 mV, 5KΩ)	HDMI
Alarm In/Out	4/4(30VDC 1A, 125VAC 0.5A, Relay output)	4/4(30VDC 1A, 125VAC 0.5A, Relay output)	4/4(30VDC 1A, 125VAC 0.5A, Relay output)
Intercom	1 Pair 3.5mm Jack	1 Pair BNC	1 Pair RCA
Processor	Intel x86 processor	Intel x86 processor	Intel x86 processor
Case	1.5U 19" standard industry box	1U 19" standard industry box	1U 19" standard industry box
Ethernet	1 RJ-45 port(10/100/1000M)	1 RJ-45 port(10/100/1000M)	1 RJ-45 port(10/100/1000M)
USB	1 USB2.0, 1 USB3.0	2 USB2.0	2 USB2.0
Power	AC100~240V	DC12V/3.3A	DC12V/3.3A
Control Mode	WEB/PC client-end/ Network keyboard	WEB/PC client-end/ Network keyboard	WEB/Local menu/PC client-end/ Network keyboard
Highlights	4K & H.265 decoding, Fisheye adjustment, More signal collection interfaces	4K & H.265 decoding, Fisheye adjustment	4K decoding, Support 64 split display mode, Fisheye adjustment





## HD Series

	NVS1604DH	NVS0904DH	NVS0404DH	NVS0104DH
Model				
Support Screen	16 Screens	9 Screens	4 Screens	1 Screen
Splicing Control	Zoom/Merge/Roam/Overlay	Zoom/Merge/Roam/Overlay	Zoom/Merge	Zoom
Split Mode	1/4	Port 1: 1/4/9/16, Port 2-9:1/4	Port 1: 1/4/9/16, Port 2-4: 1/4	1/4/9/16
Max Decoding	4CH@5M/32CH@1080P/64CH@720P/ 96CH@960H/112CH@D1	2CH@5M/16CH@1080P/33CH@720P/ 48CH@960H/60CH@D1	7CH@1080P/14CH@720P/24CH@960H/ 28CH@D1	4CH@1080P/8CH@720P/12CH@960H/ 16CH@D1
Local Video Input	—	—	—	—
Network Video Input	IPC/DVR/NVR, etc.	IPC/DVR/NVR, etc.	IPC/DVR/NVR, etc.	IPC/DVR/NVR, etc.
Video Output	HDMI/VGA	HDMI/VGA	HDMI/VGA/BNC	HDMI/VGA/BNC
Audio Out	HDMI, DB26 (DVI-I)	HDMI, DB15 (VGA)	HDMI, 4 BNC(200-3000 mV, 5KΩ)	HDMI, 1 BNC(200-3000 mV, 5KΩ)
Alarm In/Out	—	4/4(30VDC 1A, 125VAC 0.5A, Relay output)	16/8(30VDC 2A, 125VAC 1A, Relay output)	16/8(30VDC 2A, 125VAC 1A, Relay output)
Intercom	1 Pair 3.5mm Jack	1 Pair 3.5mm Jack	1 Pair BNC	1 Pair BNC
Processor	Dual-core embedded microprocessor	Dual-core embedded microprocessor	Dual-core embedded microprocessor	Dual-core embedded microprocessor
Case	2U 19" standard industry box	1.5U 19" standard industry box	1U 19" standard industry box	1U 19" standard industry box
Ethernet	1 RJ-45 port(10/100/1000M)	1 RJ-45 port(10/100/1000M)	1 RJ-45 port(10/100/1000M)	1 RJ-45 port(10/100/1000M)
USB	2 USB2.0	1 USB2.0	2 USB2.0	2 USB2.0
Power	AC100-240V	AC100-240V	DC12V/3.3A	DC12V/3.3A
Control Mode	WEB/PC client-end/Network keyboard	WEB/PC client-end/Network keyboard	WEB/PC client-end/Network keyboard	WEB/PC client-end/Network keyboard
Highlights	1080P decoding	1080P decoding	1080P decoding	1080P decoding





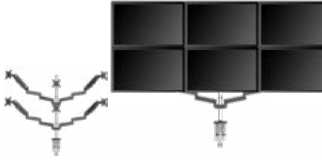
# Keyboard

- Visible and easy control with local touch screen
- Precise playback control
- PTZ camera control for Iris/Zoom/Focus, Preset/Scan/Pan/Tour/Pattern
- Interoperate with SmartPSS and DSS






## Keyboard

	NKB3000	NKB1000	KBD1000	KB1000
Model				
Control Mode	Direct mode, Network mode	Direct mode, Network mode, USB mode	Direct mode	Direct mode
Control Interface	1 RJ-45 port (10/100/1000M), WiFi, RS232, RS485	1 RJ-45 port (10/100/1000M), RS232, RS485, RS422, USB	RS232, RS485, RS422	RS485, RS422
DVR/NVR Protocol	DH2	DH2	DH2	DH2
Dome Protocol	DH-SD/PELCO-D/PELCO-P/PELCO-D1/PELCO-P1, etc.	DH-SD/PELCO-D/PELCO-P/PELCO-D1/PELCO-P1, etc.	DH-SD/PELCO-D/PELCO-P/PELCO-D1/PELCO-P1, etc.	DH-SD/PELCO-D/PELCO-P/PELCO-D1/PELCO-P1, etc.
Max. Users	20(Each can manage up to 6400 unit devices)	20(Each can manage up to 2048 unit devices)	20(Each can manage up to 2048 unit devices)	20(Each can manage up to 2048 unit devices)
Screen	10.2" LCD touch screen(800x480)	Monochrome LCD screen(128x64)	Monochrome LCD screen(128x64)	Monochrome LCD screen(128x64)
Local Split Display Mode	1/4/8/9/16	—	—	—
Video Output	1CH HDMI/VGA	—	—	—
Local Decoding	4CH@1080P	—	—	—
Intercom	1 Pair 3.5mm jack	—	—	—
Joystick	4-axis(zoom, focus, iris)	3-axis(zoom, focus, iris)	3-axis(zoom, focus, iris)	3-axis(zoom, focus, iris)
Main Processor	Industrial embedded microprocessor	Industrial embedded microprocessor	Industrial embedded microprocessor	Industrial embedded microprocessor
Operation System	Embedded LINUX	Embedded LINUX	Embedded LINUX	Embedded LINUX
USB	2 USB2.0	1 USB2.0	1 USB2.0	1 USB2.0
Power	DC12V/3A	DC12V/1A	DC12V/1A	DC12V/1A
Highlights	Multi-user access control Control DVR, NVR, EVS, Decoder, Matrix, Platform Local visible control with touch screen	Multi-user access control Control DVR, NVR, EVS, Decoder, Matrix Work with SmartPSS or DSSClient via USB port	Multi-user access control	Multi-user access control

## Desk Gas Spring Mounts

	BL301-G	BL302-G	BL303-G	BL304-G	BL306-G
Model					
Screen Size	10"~27"	10"~27"	10"~27"	10"~27"	10"~27"
Screen Number	1	2	3	4	6
Suitable Monitor	DHL22-F600, DHL27	DHL22-F600, DHL27	DHL22-F600, DHL27	DHL22-F600, DHL27	DHL22-F600, DHL27
VESA Standard	100×100mm(3.9"×3.9") 75×75mm(3.0"×3.0")	100×100mm(3.9"×3.9") 75×75mm(3.0"×3.0")	100×100mm(3.9"×3.9") 75×75mm(3.0"×3.0")	100×100mm(3.9"×3.9") 75×75mm(3.0"×3.0")	100×100mm(3.9"×3.9") 75×75mm(3.0"×3.0")
Single Screen Weight	2kg~9kg (4.4lb~19.8lb)	2kg~9kg (4.4lb~19.8lb)	2kg~9kg (4.4lb~19.8lb)	2kg~9kg (4.4lb~19.8lb)	2kg~9kg (4.4lb~19.8lb)
Interface	2 USB	2 USB	2 USB	2 USB	2 USB
Installation	Table hole, Table clamping, Base(Optional)	Table hole, Table clamping, Base(Optional)	Table hole, Table clamping, Base(Optional)	Table hole, Table clamping, Base(Optional)	Table hole, Table clamping, Base(Optional)
Highlights	Support hovering, Multi-direction adjustment	Support hovering, Multi-direction adjustment	Support hovering, Multi-direction adjustment	Support hovering, Multi-direction adjustment	Support hovering, Multi-direction adjustment

## Desk Mechanical Mounts

	BL102	BL103	BL104	DZ132	DZ149
Model					
Screen Size	10"~27"	10"~27"	10"~27"	32"~49"	49"~55"
Screen Number	2	3	4	1	1
Suitable Monitor	DHL22-F600, DHL27	DHL22-F600, DHL27	DHL22-F600, DHL27	DHL32, DHL42, DHL49	DHL55, DHL49-4K, DHL55-4K
VESA Standard	100×100mm(3.9"×3.9") 75×75mm(3.0"×3.0")	100×100mm(3.9"×3.9") 75×75mm(3.0"×3.0")	100×100mm(3.9"×3.9") 75×75mm(3.0"×3.0")	-	-
Single Screen Weight	1.5kg~10kg (3.3lb~22.0lb)	1.5kg~10kg (3.3lb~22.0lb)	1.5kg~10kg (3.3lb~22.0lb)	Max 25kg(55.1lb)	Max 40kg(88.2lb)
Interface	-	-	-	-	-
Installation	Table hole, Table clamping, Base(Optional)	Table hole, Table clamping, Base(Optional)	Table hole, Table clamping, Base(Optional)	Base	Base
Highlights	Multi-direction adjustable	Multi-direction adjustable	Multi-direction adjustable	-	-

## Wall-hanging Mounts

	BG122	BG142
Model		
Screen Size	22"~27"	42"~55"
Suitable Monitor	DHL22-F600, DHL27	DHL42, DHL43-F600, DHL49, DHL49-4K, DHL55, DHL55-4K
VESA Standard	100×100mm(3.9"×3.9") 75×75mm(3.0"×3.0")	200X100mm(7.9"×3.9"), 200X200mm(7.9"×7.9") 300X300mm(11.8"×11.8"), 400X200mm(15.7"×7.9")
Single Screen Weight	Max 25kg(55.1lb)	Max 75kg(165.3lb)
Installation	Wall hanging	Wall hanging
Hightlights	-	-

## Video Converter

	VC0101DH	VC0101DV
Model		
Video Input	DVI	DVI
Video Output	HDMI	VGA

## Video Extender

	PFM700	PFM710
Model		
Transmission Distance	60M	75M
Twisted-pair Port	RJ45	RJ45
Transmission Signal	1ch HDMI	1ch VGA
Power	DC5V	—

## DSS

Stable server with hardware & software all-in-one  
Various function for security



## Smart PSS

Open, free, intelligent,  
Make your security surveillance  
system easy-to-use



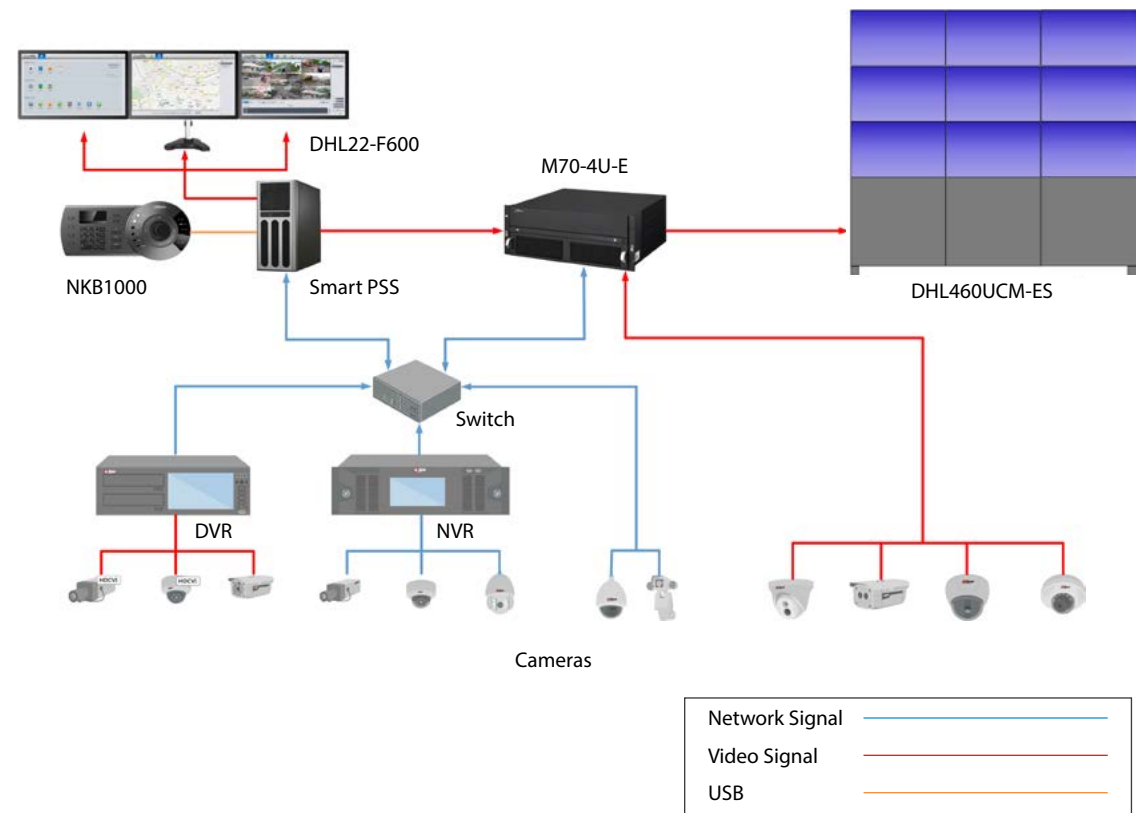
Model		DSS7016	DSS4004	Smart PSS
Device Access	Supported Device	DVR, NVR, IPC, VDP, Alarm Host, EVS, ACR, Video wall Controller		DVR, NVR, IPC, VDP, EVS, Video wall Controller
	Add Device Method	IP/Domain, SN, DDNS		
	Max. Capacity	500 IP, 2000 CH	200 IP, 1000 CH	256 IP, 2000 CH
	Max. Management Channels(Onvif)	100CH	100CH	—
User	Max. Number of Users	1000 online, 10000 total	1000 online, 10000 total	50 total
Live Preview	Video Display Split	1/4/6/8/9/16/25/36/64		1/4/6/8/9/16/25/36 or customized split for Mac, up to 64 for windows
	Max. Preview Screens	4		
	Max. Views	256		
	Feature	Snapshot, E-PTZ, Audio, Record, Talk, Instant playback, Tour task, View, Fisheye dewarp, IVS, Stream control, Optional video scale, Panorama PTZ		
Playback	Max. Channels	36		
	Max. Task of Export	50 once	50 once	10 once
	Feature	Snapshot, E-PTZ, Audio, Speed 1/8x~8x, Synchronization playback, POS, Fisheye dewarp, Faster/Slower play, Optional video scale		
TV Wall	Video Display Split	1/4/9/16/25/32/64		
	Feature	Liveview, Playback, PTZ control on the TV Wall		
Other Function	Storage	Local storage, Connect IPSAN Storage		PC-NVR(Up to 32CH)
	Other Function	Raster map, Google online/offline map		Raster map
	Deployment	Stand-alone, Distributed, Cascade		Stand-alone
Minimum System Requirements	OS	32/64 bit Windows XP/Vista/7/8/10		32/64 bit Windows XP/Vista/7/8/10 Mac OSX 10.7 or above
	CPU	Core 2 dual-core 3.0 or above		1GHZ or above
	RAM	2GB or above		1GHZ or above
	Display Resolution	1024x768 or above		480x800 or above



## Small Control Center Solution

### Features

- M70-4U-E supports splicing control for splicing screens
- M70-4U-E supports local signal collecting and encoding
- Free VMS software Smart PSS works with NKB1000 in USB control mode
- NKB1000 uses "Num" button+ "function" button to control different screens, split mode, window and channel
- DHL460UCM-ES: 46", 3.5mm physical seam and module installation. Show remote camera channel and local image such as PC image on the screens
- M70-4U-E can be replaced by other matrix, decoder according to real application

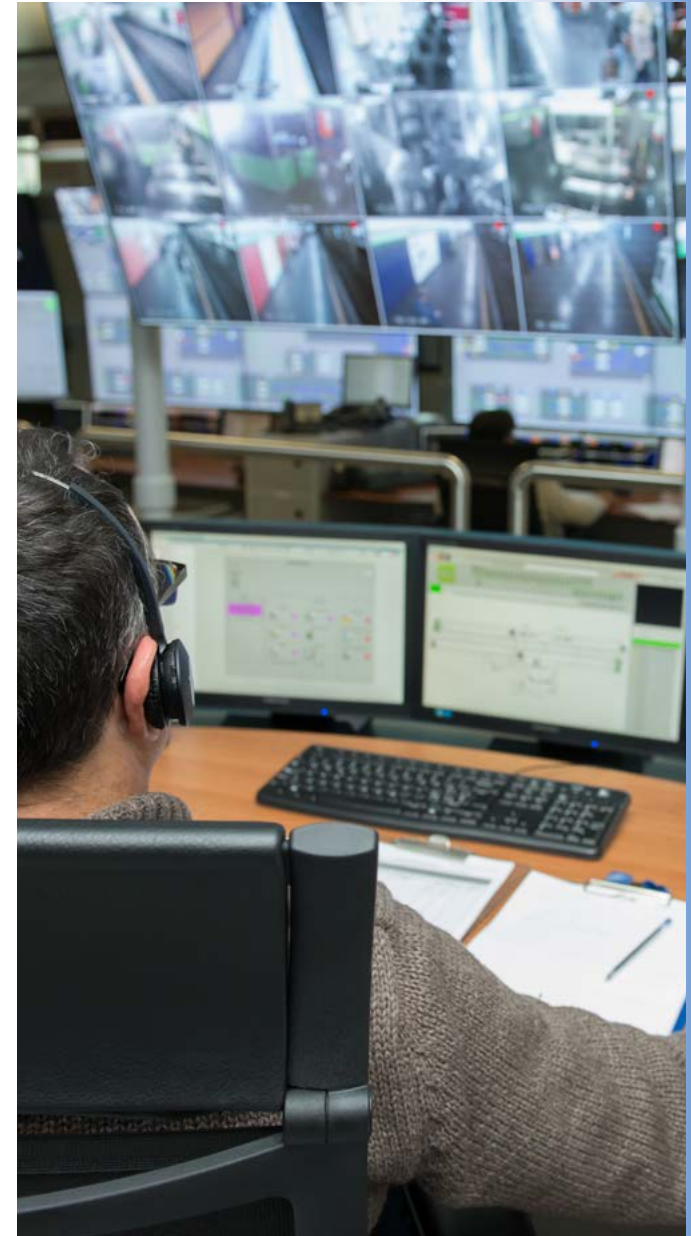
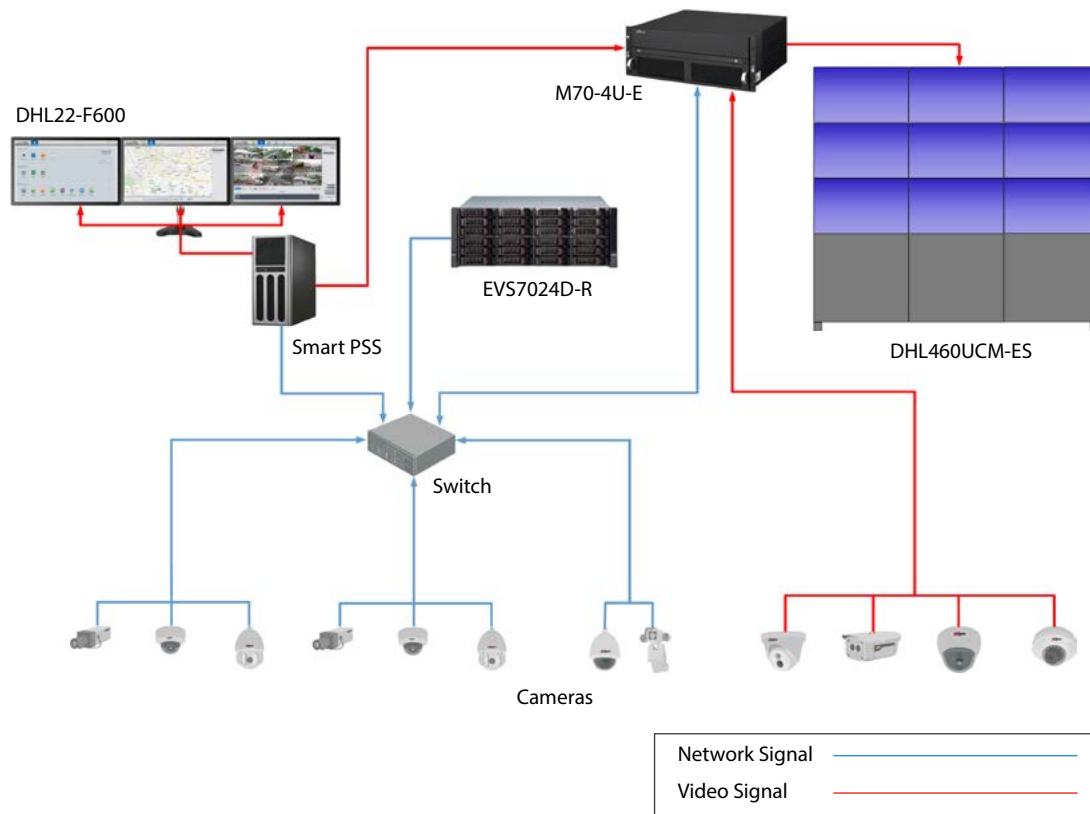


# General Solution

## Small Control Center Solution With Central Storage

### Features

- M70-4U-E supports splicing control for splicing screens
- M70-4U-E supports local signal collecting, encoding and storage in EVS
- Free VMS software Smart PSS operate in preview, playback and e-map
- DHL460UCM-ES: 46", 3.5mm physical seam and module installation. Show remote camera channel and local image such as PC image on the screens
- EVS7024D-R works as a central direct storage with high reliability because of its dual powerful controller and redundant power design
- M70-4U-E can be replaced by other matrix, decoder

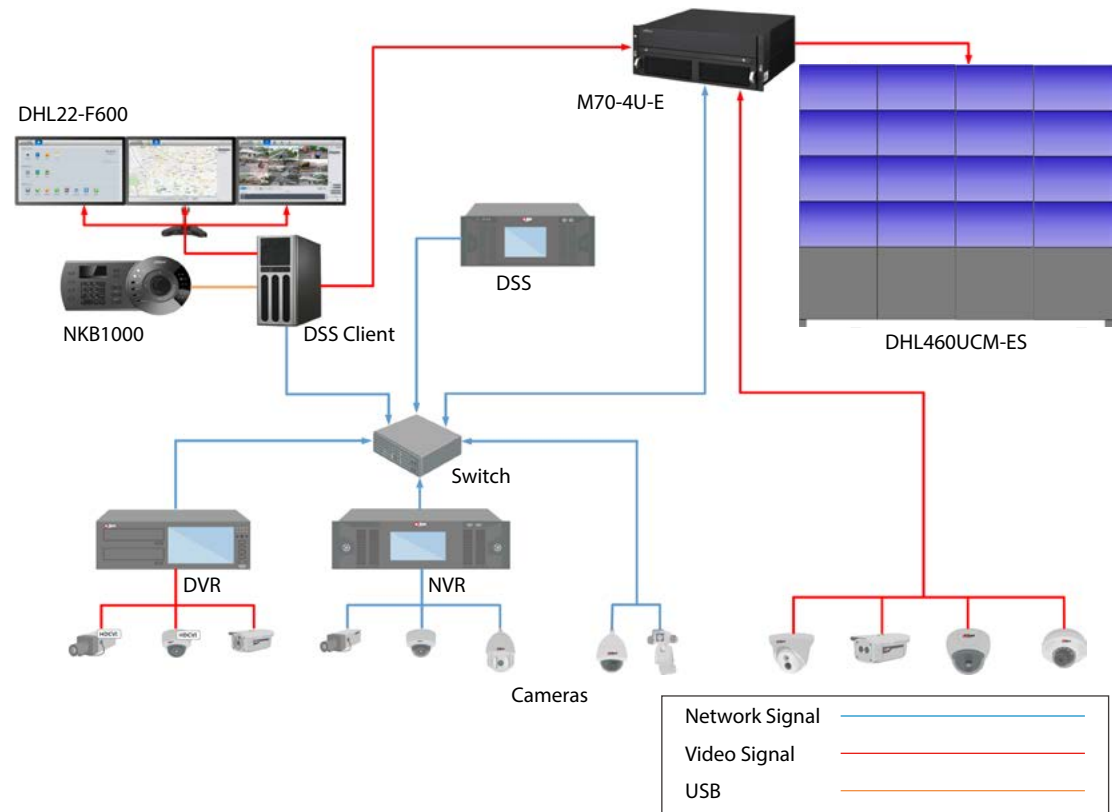




## Large-scale Control Center Solution

### Features

- M70-4U-E supports splicing control for splicing screens
- M70-4U-E supports local signal collection and encoding
- DSSClient works with NKB1000 via USB
- DSS support large and complex video surveillance system
- NKB1000 uses "Num" button+ "Function" button to control different screens,split mode, window and channel
- DHL460UCM-ES:46", 3.5mm physical seam and module installation. Display remote camera channel and local image such as PC image on the screens
- M70-4U-E can be replaced by other matrix, decoder according to real application

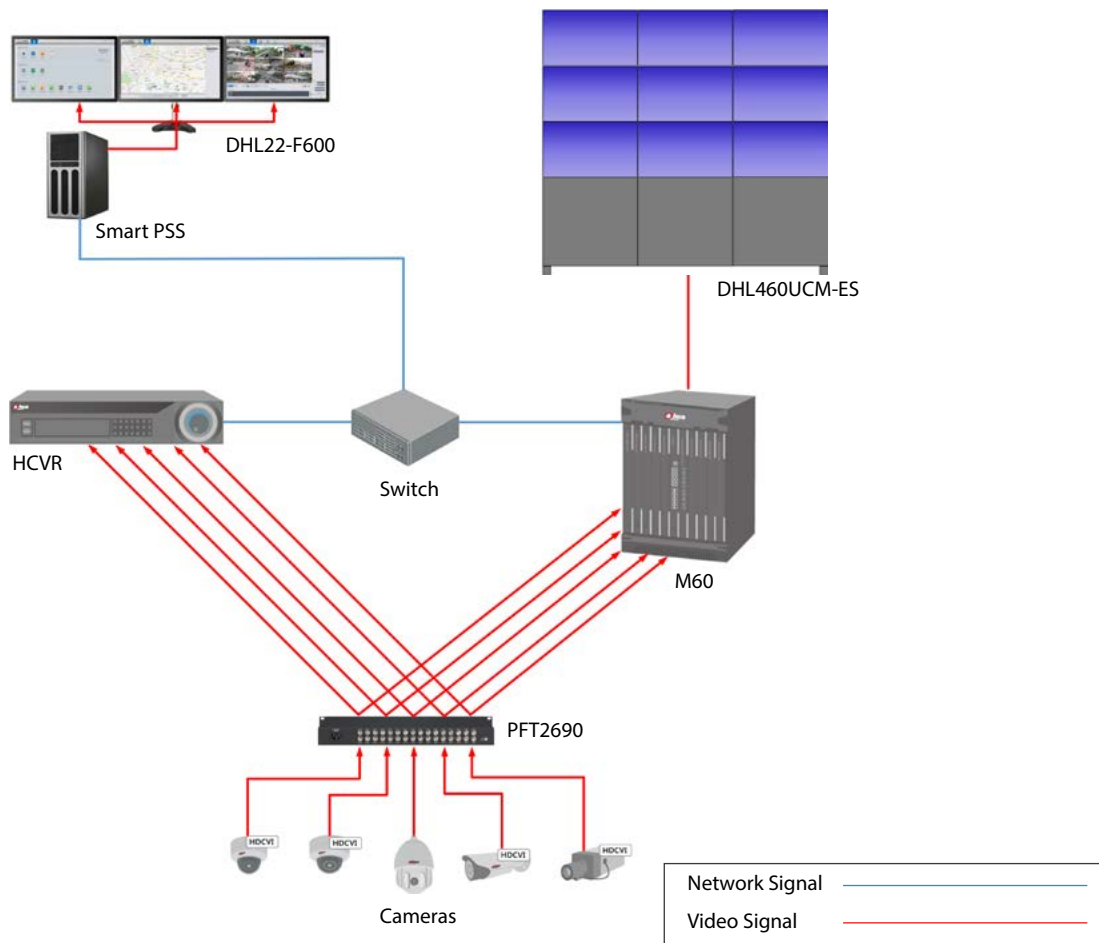


# Vertical Solution

## Casino Solution

### Features

- M60 supports lossless and low time-delay display on the screens
- M60 supports local signal display on the screens directly without encoding but collecting
- Free VMS software Smart PSS operate in preview, playback and e-map
- DHL460UCM-ES: 46", 3.5mm physical seam and module installation. Show remote camera channel and local image such as PC image on the screens
- PFT2690 supports one input dual outputs(1:2split) which are lossless and real-time

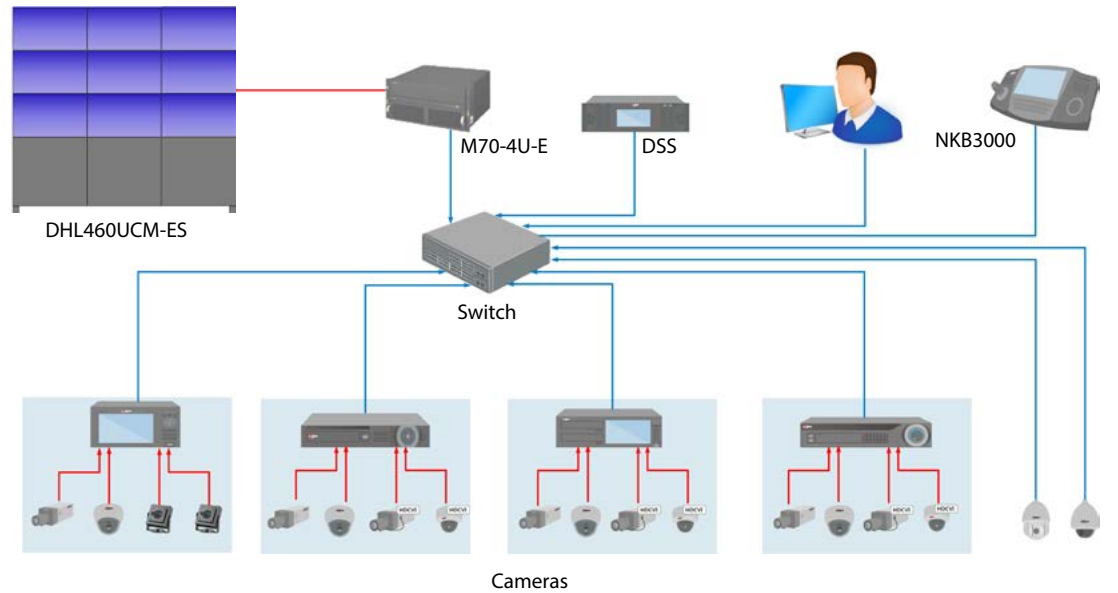




## Bank Solution

### Features

- M70-4U-E supports splicing control for splicing screens
- NKB3000 controls splicing screens operation in matrix mode
- NKB3000 uses "Num" button+ "Function" button to control different screens, split mode, window and channel, visible and easy control with local touch screen
- DHL460UCM-ES: 46", 3.5mm physical seam and module installation. Show remote camera channel and local image such as PC image on the screens
- DSS integrates all the devices and manages the plan for TV Wall
- M70-4U-E can be replaced by other matrix, decoder according to real application

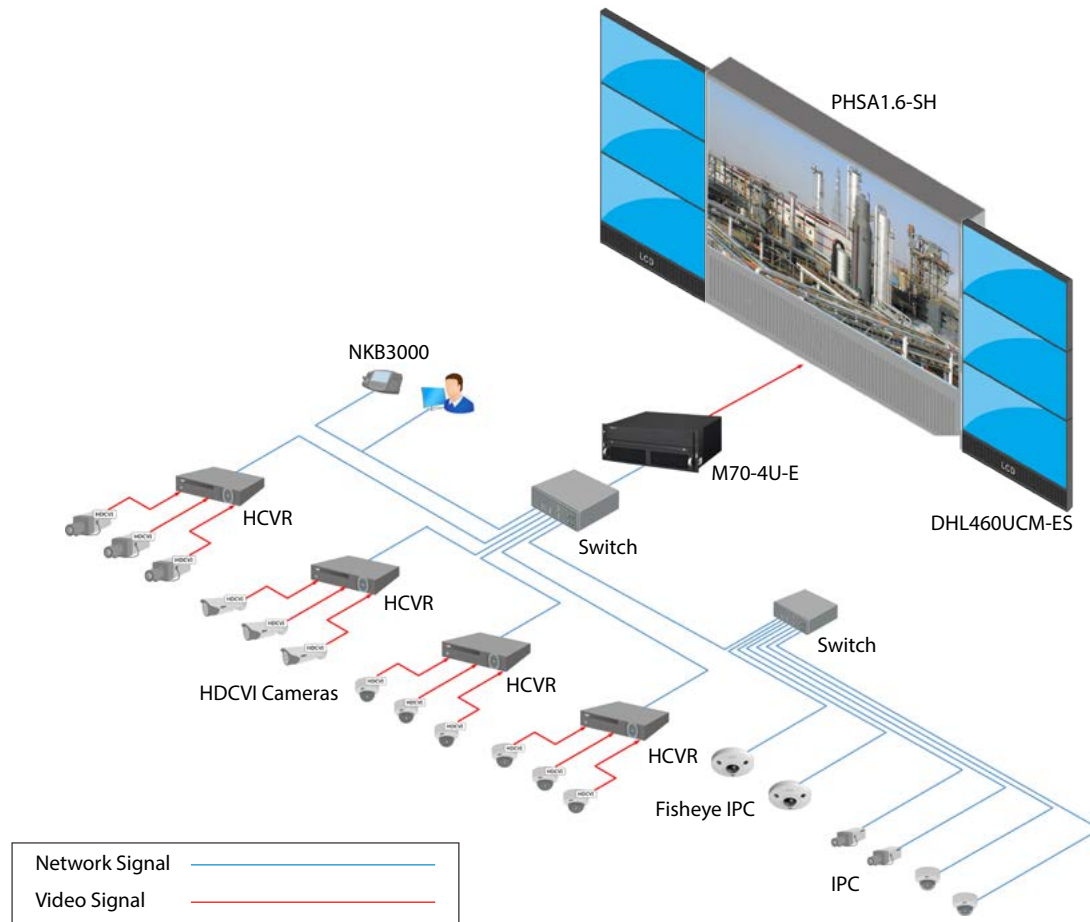


# Vertical Solution

## Energy Solution

### Features

- M70-4U-E supports splicing control for both LCD and LED splicing screens
- NKB3000 controls splicing screens operation in matrix mode
- NKB3000 uses "Num" button+ "Function" button to control different screens, split mode, window and channel, visible and easy control with local touch screen
- DHL460UCM-ES: 46", 3.5mm physical seam and module installation. Show remote camera channel and local image such as PC image on the screens
- PHSA1.6-SH offers seamless image display for large surveillance center, without loss of important details
- M70-4U-E can be replaced by other matrix, decoder according to real application



Romania Casino



Hangzhou Traffic Command Center



Nanning Traffic Command Center



Mauritius Electricity Management Center



Liverpool Airport



India Police Management Center



Spain Prosegur Alarm Center



Pakistan Urban Unit



Mexico Plaza







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