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LG Security System
Life's Good Life's Safe





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LG Digital Security System

Life's Good Life's Safe

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PTZ Dome Camera



Speed Dome Camera

LPT-EP551PS (NTSC)
LPT-EP553PS (PAL)

New

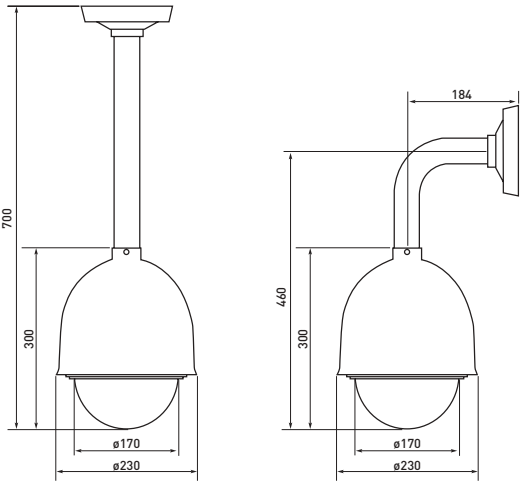


Specifications

Model	LPT-EP551PS	LPT-EP553PS
Signal System	NTSC	PAL
Total/Effective Pixels No	811(H) x 508(V) 410K	795 (H) X 596 (V) 470K
Pick-up Device	1/4" Ex View HAD CCD	
Lens	X27 Zoom (F 1.5 (W) ,F 3.8(T) f = 3.25 ~88.0 mm)	
Signal Process	Digital Signal Process	
Sync System	Internal	
Scanning Frequency(H)	15.734KHz	15.625KHz
Scanning Frequency(V)	59.94 Hz(VD)	50 Hz(VD)
Horizontal Resolution	500 Lines	
S/N Ratio	More Than 48dB (AGC Off)	
Standard Illuminance	Normal Mode : 1 Lux Night Mode : 0 Lux (IR on) / 0.005 Lux (IR off)	
Video Output Signal	1Vp-p Composite (75ohm)	
Wide Dynamic Range	Auto / Manual	
Electronic Sensitivity	Auto / Fix : x2, x3, x4,x20	
Control Method	RS485	
Iris Control	Auto / Manual	
Panning Range & Speed	0°~360°, Max 240°/Sec	
Tilting Range & Speed	0°~110°, Max 120°/Sec	
Auto Panning	2 point	
Preset	128 Position	
Pattern	5min	
Dome ID	256	
Alarm Input	8ch	
White Balance	Auto(ATW) / Indoor / Outdoor / Manual / Push Auto	
Power Source	AC 24V	
Power Consumption	Max13W	
Operation Temp	-10°C ~ 50°C ,0%RH~60%RH	
Storage Temp	-20°C ~ 60°C , 0%RH~85%RH	
Dimension(H x V x D)	ø230 x 300mm(H)	
Weight	3.3kg	

LPT-EP500 series : Pendant Mount Type
LPT-EW500 series : Wall Mount Type
LPT-EI500 series : Insert Type

Dimension (unit : mm)



Speed Dome Camera

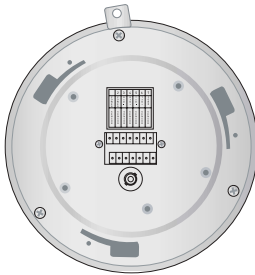
LPT-SD168HM (NTSC)
LPT-SD168HP (PAL)



Feature

- Digital Signal Processing (DSP)
- 1/4" Ex View CCD
- Day and Night function (I/R Cut Filter)
- Wide Dynamic Range (Dual Shutter)
- Digital Slow Shutter
- Motion detection
- High sensitivity with a minimum scene illumination of 0.01Lux with DSS
- Panning Range : 0°~360°, Max 240° / sec
- Tilting Range : 0°~110°, Max 180° / sec
- "Auto Flip" rotates dome 180° at bottom of tilt travel
- On Screen Display Menu
- Seven alarm inputs
- "Step Motor" makes the preset focus very accurate

Rear View



Specifications

Model	LPT-SD168HM	LPT-SD168HP
Signal System	NTSC	PAL
Scanning System	2:1 Interlace	
Scanning Frequency(H)	15.734 KHz	15.625 KHz
Scanning Frequency(V)	59.94 Hz	50 Hz
Pick-up Device	1/4" Ex View HAD CCD	
Total Pixels No.	811(H) x 508(V) 410K	795(H) x 596(V) 470K
Effective Pixels No.	768(H) x 494(V) 380K	752(H) x 582(V) 440K
S/N Ratio	More Than 48dB	
Horizontal Resolution	More Than 480 TV Lines	
Lens	x27 Zoom (F1.5(W), F3.6(T) f=3.25mm~88.0mm)	
Min. Illuminance	Normal Mode : 1 Lux (1/3 Video Output)	
	Digital Slow Shutter : 0.01Lux (32 Field Accumulate)	
	Night Mode : 0Lux (Infrared ON)	
Electronic Sensitivity	Auto:x2,x4,x6,x10,x16,x32 Fix:x2,x4,x6,x10,x16,x32	
Wide Dynamic Range	On / Auto / Off (Option)	
Video Output	Composite Video Output [1Vp-p 75Ω Terminated]	
Control Method	RS422 / RS485	
Iris Control	Auto / Manual	
Zoom Speed Control	Quick / Slow 2 step	
Focus Speed Control	Quick / Middle / Slow 3 step	
Panning Range & Speed	0 °~360 °[Endless], Max 240 °/sec	
Tilting Range & Speed	0 °~110 °, Max 180 °/sec	
Auto Panning	0 °~360 °, Max 240 °/sec	
Preset	128 Position	
Dome ID	256 Connect	
Alarm Input	7 Input	
Operation Temperature	-10°C ~ 50°C	
Operation Humidity	0%RH~60%RH	
Storage Temperature	-10 °C~60 °C, 0%RH~85%RH	
Power Supply	DC 24V / AC 24V	
Dimension (W x H x D)	ø 141x117mm(H)	
Weight	1.9kg	

Series Model

No alarm input	LPT-SD163HM (NTSC)
	LPT-SD163HP (PAL)
Color	Black, Ivory

Dimension (unit : mm)



P/T/Z Dome Camera

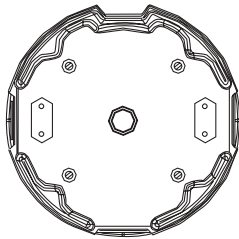
LPT-OI551HQ (NTSC)
LPT-OI553HQ (PAL)



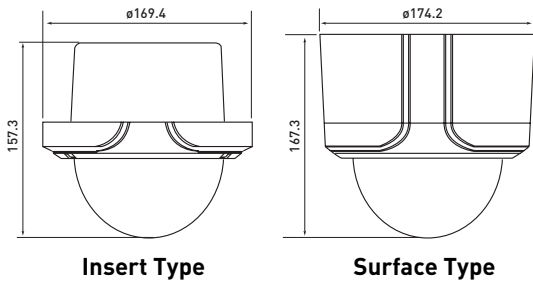
Feature

- Built in X27 Optical Zoom Lens
- 1/4" EX View CCD
- Day and Night function (I/R Cut Filter)
- Wide Dynamic Range (Dual Shutter)
- Digital Slow Shutter
- Motion detection
- 128 Preset Position / 256 Dome ID
- Auto focusing
- Panning Range 0°~350°, Max 110°/Sec
- Tilting Range 0°~90°, Max 110°/Sec
- RS485 Communication
- IP 66 rating
- Vandal proof

Rear View



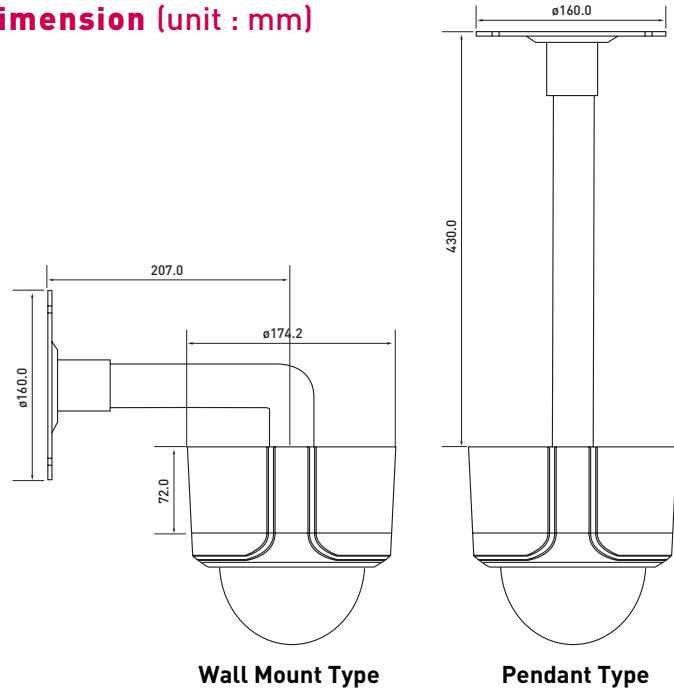
Dimension (unit : mm)



Specifications

Model	LPT-OI551HQ	LPT-OI553HQ
Signal System	NTSC	PAL
Total/Effective Pixels No	811(H) x 508(V) 410K	795 (H) X 596 (V) 470K
Pick-up Device	1/4" Ex view HAD CCD:WDR	
Lens	X 27 Zoom [F 1.5 (W) ,F 3.6(T) f = 3.25 ~88.0 mm]	
Signal Process	Digital Signal Process	
Sync System	Internal	
Scanning Frequency(H)	15.734KHz	15.625KHz
Scanning Frequency(V)	59.94 Hz	50 Hz
Horizontal Resolution	500 TV Lines	500 TV Lines
S/N Ratio	More Than 48dB (AGC Off)	
Min. Illuminance	1Lux(F1.5, nomal shutter)	
	0.03Lux(20 Field Slow shutter) / 0Lux(Infrared ON:Nigh Mode)	
Video Output Signal	1Vp-p Composite (75ohm)	
Wide Dynamic Range	Dual Shutter Control (128times of Dynamic Range)	
Electronic Sensitivity	Auto / Fix : x2, x3, x4,x20	
Control Method	RS485	
Iris Control	Auto / Manual	
Panning Range & Speed	0°~350°, Max 110°/Sec	
Tilting Range & Speed	0°~90°, Max 110°/Sec	
Auto Panning	2 point	
Preset	128 Position	
Pattern	5min	
Dome ID	256	
Alarm Input	4ch	
White Balance	Auto(ATW) / Indoor / Outdoor / Manual / Push Auto	
Power Supply	DC12V	
Power Consumption	Max 14W	
Operation Temperature	-10°C ~ 50°C ,0%RH~60%RH	
Storage Temperature	-20°C ~ 60°C , 0%RH~85%RH	
Dimensions(ø x H)	ø 169.4 x 157.3mm(H)	
Weight	1.5kg	

Dimension (unit : mm)



P/T/Z Dome Camera

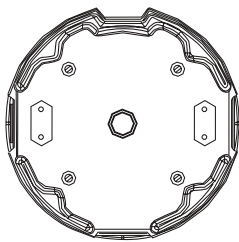
LPT-OI511AQ (NTSC)
LPT-OI513AQ (PAL)



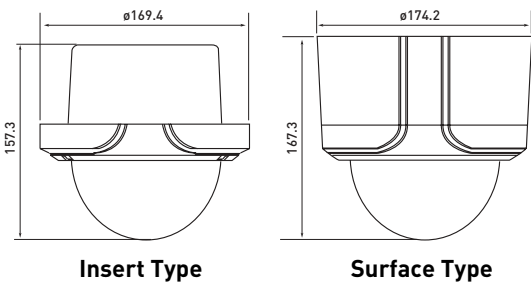
Feature

- Built in x16 Optical Zoom Lens
- 1/4" Super HAD CCD
- 128 Preset Position / 256 Dome ID
- Auto focus and Auto Iris
- Backlight Compensation
- Six Alternative White Balance Control
- Sharpness and Mirror
- Panning Range 0°~350°, Max 110°/Sec
- Tilting Range 0°~90°, Max 110°/Sec
- RS485 Communication
- IP 66
- Vandal Proof

Rear View



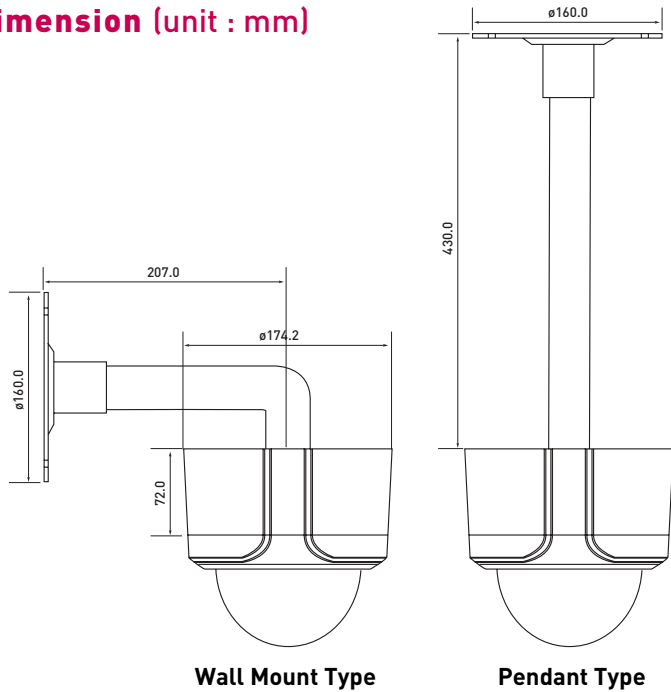
Dimension (unit : mm)



Specifications

Model	LPT-OI511AQ	LPT-OI513AQ
Signal System	NTSC	PAL
Total/Effective Pixels No	811(H) x 508(V) 410K	795 (H) X 596 (V) 470K
Pick-up Device	1/4" Super HAD CCD	
Lens	X 16 Zoom [F 1.6 f= 3.9 ~ 63mm]	
Signal Process	Digital Signal Process	
Sync System	Internal	
Scanning Frequency(H)	15.734KHz	15.625KHz
Scanning Frequency(V)	59.94 Hz	50 Hz
Horizontal Resolution	500 TV Lines	500 TV Lines
S/N Ratio	More Than 48dB (AGC Off)	
Min. Illuminance	1Lux (1/3 Video Output)	
Video Output Signal	1Vp-p Composite (75ohm)	
Wide Dynamic Range	Dual Shutter Control (128times of Dynamic Range)	
Electronic Sensitivity	Auto / Fix : x2, x3, x4,x20	
Control Method	RS485	
Iris Control	Auto / Manual	
Panning Range & Speed	0°~350°, Max 110°/Sec	
Tilting Range & Speed	0°~90°, Max 110°/Sec	
Auto Panning	2 point	
Preset	128 Position	
Pattern	5min	
Dome ID	256	
Alarm Input	4ch	
White Balance	Auto(ATW) / Indoor / Outdoor / Manual / Push Auto	
Power Supply	DC12V	
Power Consumption	Max 14W	
Operation Temp	-10°C ~ 50°C ,0%RH~60%RH	
Storage Temp	-20°C ~ 60°C , 0%RH~85%RH	
Dimensions(ø x H)	ø 169.4 x 157.3mm(H)	
Weight	1.5kg	

Dimension (unit : mm)



Controller

LCC-K1000



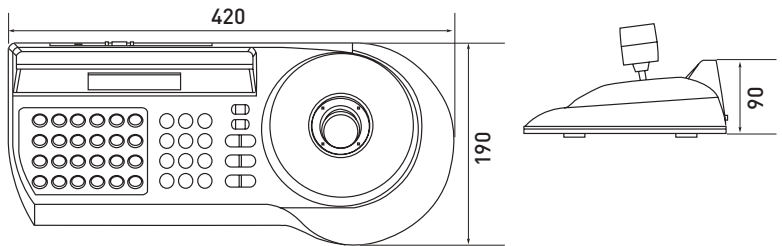
Feature

- Long distance control up to 1.2km based on RS485 communication
- Compatible with LG Speed Dome
- Program preset control up to 128 Speed Dome
- Zone Function key enables cameras to monitor the preset area in emergency
- Joystick Control of PTZ Functions
- Program Preset Position up to 128 and Pattern Control(Memorize continuous series of Zoom In/Out, Pan/Tilt)
- Preset Tour or scanning
- Control LG S/A DVR and Zoom Cameras
- Extension of Key control

Specifications

Model	LCC-K1000
Communication	RS-485
Data Speed	9600bps
Joy-Stick Type	3-Axis
Pan/Tilt	Up/Down/Right/Left/AutoPan
Total Key Number	44
Password	4 Number
Display	LCD Backlight (16x4), "4-gray scale display
Control	Camera ID , Preset , Auto-Pan ,pattern
Interface	RJ11 for communication
Operation Temp	-10° ~ 50°C
Operation Humidity	0% RH~ 60% RH
Storage Temp	-20° ~ 60°C
Supplied Voltage	DC12V , 500mA
Weight	3kg
Dimension(H x V x D)	420 x 190 x 90

Dimension (unit : mm)



■ Outdoor / Indoor Housing

- IP65 certified safety grade
- Polycarbonate dome
- Aluminum case
- Heater works On 5°C / Off 15°C
- Cooling fan works On 40°C / Off 30°C
- Dome Color : Clear / Smoked



(LSO-100FP)



(LSO-100FW)

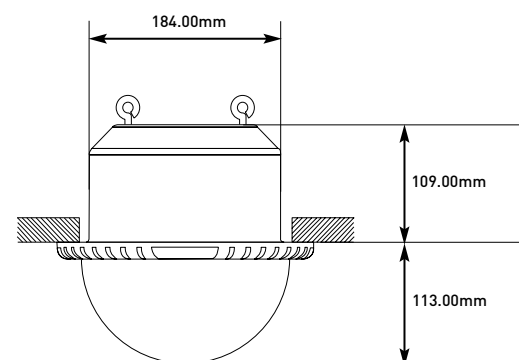
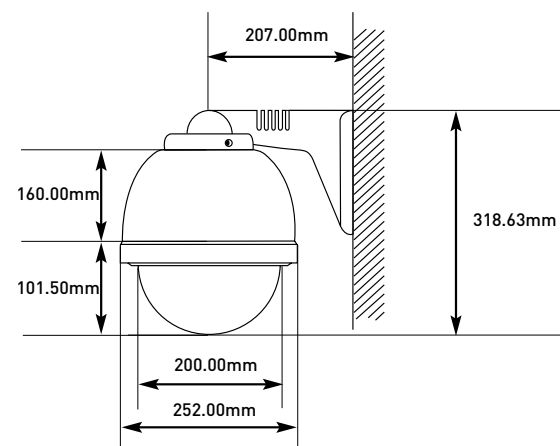
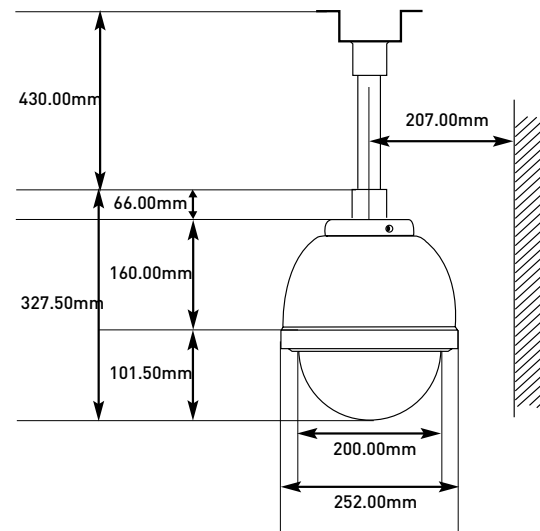
■ Ceiling Housing

- Polycarbonate dome
- Aluminum case
- Dome Color : Clear / Smoked



(LSI-100C)

■ Dimension



Zoom Color Complete Camera



Zoom Color Complete Camera

Comparison Chart by Model (NTSC)

Spec Model	Optical Zoom	Digital Zoom	CCD	Total Pixels	Resolution	Min. illuminance	Day& Night	WDR	DSS	Privacy Zone	Connector Type	Camera Control	Sync	Voltage
LVC-C500HM	x27	X12	Super 1/4	410K	500 lines	1Lux	X	X	X	0	6Pin Din	PTZ	Internal	DC12V
LVC-C503HM	x27	x2	EX View 1/4	410K	500 lines	0.01Lux	X	0 (Dual)	0	0	6Pin Din	PTZ	Internal	DC12V
LVC-C510HM	x27	X12	Super 1/4	410K	500 lines	0.5Lux	0	X	X	0	6Pin Din	PTZ	Internal	DC12V
LVC-C513HM	x27	x2	EX View 1/4	410K	500 lines	0.005Lux	0	0 (Dual)	0	0	6Pin Din	PTZ	Internal	DC12V
LVC-C530HM	x27	X12	Super 1/4	410K	500 lines	0.5Lux	0	X	X	0	12Pin Din	PTZ & RS232C	Internal	DC12V
LVC-C533HM	x27	x2	EX View 1/4	410K	500 lines	0.005Lux	0	0 (Dual)	0	0	12Pin Din	PTZ & RS232C	Internal	DC12V
LVC-C553HM	x27	x2	EX View 1/4	410K	500 lines	0.005Lux	0	0 (Dual)	0	0	8pin Modular	RS485	Internal	DC12V
LVC-C300HM	x27	x10	Super 1/4	410K	480 lines	1Lux	X	X	X	X	6Pin Din	PTZ	Internal	DC12V
LVC-C303HM	x27	x10	Super 1/4	410K	480 lines	0.01Lux	X	0	0	X	6Pin Din	PTZ	Internal	DC12V
LVC-C310HM	x27	x10	Super 1/4	410K	480 lines	0.5Lux	0	X	X	X	6Pin Din	PTZ	Internal	DC12V
LVC-C313HM	x27	x10	Super 1/4	410K	480 lines	0.005Lux	0	0	0	X	6Pin Din	PTZ	Internal	DC12V
LVC-C320HM	x27	x10	Super 1/4	410K	480 lines	1Lux	X	X	X	X	12Pin Din	PTZ & RS232C	Internal	DC12V
LVC-C323HM	x27	x10	Super 1/4	410K	480 lines	0.01Lux	X	0	0	X	12Pin Din	PTZ & RS232C	Internal	DC12V
LVC-C330HM	x27	x10	Super 1/4	410K	480 lines	0.5Lux	0	X	X	X	12Pin Din	PTZ & RS232C	Internal	DC12V
LVC-C333HM	x27	x10	Super 1/4	410K	480 lines	0.005Lux	0	0	0	X	12Pin Din	PTZ & RS232C	Internal	DC12V
LVC-C353HM	x27	x10	Super 1/4	410K	480 lines	0.005Lux	0	0	0	X	8pin Modular	RS485	Internal	DC12V
LVC-A901HM	x22	x10	Super 1/4	410K	480 lines	0.01Lux	X	X	0	X	6Pin Din	PTZ	Internal	DC12V
LVC-A910HM	x22	x10	Super 1/4	410K	480 lines	1Lux	X	X	X	X	12Pin Din	PTZ & RS232C	Internal	DC12V
LVC-A913HM	x22	x10	Super 1/4	410K	480 lines	0.01Lux	X	0	0	X	12Pin Din	PTZ & RS232C	Internal	DC12V
LVC-A700HM	x16	x8	Super 1/4	410K	480 lines	1Lux	X	X	X	X	8pin Modular	PTZ & RS422	Internal	DC12V
LVC-A701HM	x16	x8	Super 1/4	410K	480 lines	1Lux	X	X	X	X	8pin Modular	PTZ & RS422	Line Lock	AC24V
LVC-A730HM	x16	x8	Super 1/4	410K	480 lines	1Lux	X	X	X	X	6Pin Din	PTZ or RS232C or RS422	Internal	DC12V

Zoom Color Complete Camera

Comparison Chart by Model (PAL)

Spec Model	Optical Zoom	Digital Zoom	CCD	Total Pixels	Resolution	Min. illuminance	Day& Night	WDR	DSS	Privacy Zone	Connector Type	Camera Control	Sync	Voltage
LVC-C500HP	x27	X12	Super 1/4	470K	500 Lines	1Lux	X	X	X	0	6Pin Din	PTZ	Internal	DC12V
LVC-C503HP	x27	x2	EX View 1/4	470K	500 Lines	0.01Lux	X	0 (Dual)	0	0	6Pin Din	PTZ	Internal	DC12V
LVC-C510HP	x27	X12	Super 1/4	470K	500 Lines	0.5Lux	0	X	X	0	6Pin Din	PTZ	Internal	DC12V
LVC-C513HP	x27	x2	EX View 1/4	470K	500 Lines	0.005Lux	0	0 (Dual)	0	0	6Pin Din	PTZ	Internal	DC12V
LVC-C530HP	x27	X12	Super 1/4	470K	500 Lines	0.5Lux	0	X	X	0	12Pin Din	PTZ & RS232C	Internal	DC12V
LVC-C533HP	x27	x2	EX View 1/4	470K	500 Lines	0.005Lux	0	0 (Dual)	0	0	12Pin Din	PTZ & RS232C	Internal	DC12V
LVC-C553HP	x27	x2	EX View 1/4	470K	500 Lines	0.005Lux	0	0 (Dual)	0	0	8pin Modular	RS485	Internal	DC12V
LVC-C300HP	x27	x10	Super 1/4	470K	480 Lines	1Lux	X	X	X	X	6Pin Din	PTZ	Internal	DC12V
LVC-C303HP	x27	x10	Super 1/4	470K	480 Lines	0.01Lux	X	0	0	X	6Pin Din	PTZ	Internal	DC12V
LVC-C310HP	x27	x10	Super 1/4	470K	480 Lines	0.05Lux	0	X	X	X	6Pin Din	PTZ	Internal	DC12V
LVC-C313HP	x27	x10	Super 1/4	470K	480 Lines	0.005Lux	0	0	0	X	6Pin Din	PTZ	Internal	DC12V
LVC-C320HP	x27	x10	Super 1/4	470K	480 Lines	1Lux	X	X	X	X	12Pin Din	PTZ & RS232C	Internal	DC12V
LVC-C323HP	x27	x10	Super 1/4	470K	480 Lines	0.01Lux	X	0	0	X	12Pin Din	PTZ & RS232C	Internal	DC12V
LVC-C330HP	x27	x10	Super 1/4	470K	480 Lines	0.05Lux	0	X	X	X	12Pin Din	PTZ & RS232C	Internal	DC12V
LVC-C333HP	x27	x10	Super 1/4	470K	480 Lines	0.005Lux	0	0	0	X	12Pin Din	PTZ & RS232C	Internal	DC12V
LVC-C353HP	x27	x10	Super 1/4	470K	480 Lines	0.005Lux	0	0	0	X	8pin Modular	RS485	Internal	DC12V
LVC-A901HP	x22	x10	Super 1/4	470K	480 Lines	0.01Lux	X	X	0	X	6Pin Din	PTZ	Internal	DC12V
LVC-A910HP	x22	x10	Super 1/4	470K	480 Lines	1Lux	X	X	X	X	12Pin Din	PTZ & RS232C	Internal	DC12V
LVC-A913HP	x22	x10	Super 1/4	470K	480 Lines	0.01Lux	X	0	0	X	12Pin Din	PTZ & RS232C	Internal	DC12V
LVC-A700HP	x16	x8	Super 1/4	470K	480 Lines	1Lux	X	X	X	X	8pin Modular	PTZ & RS422	Internal	DC12V
LVC-A701HP	x16	x8	Super 1/4	470K	480 Lines	1Lux	X	X	X	X	8pin Modular	PTZ & RS422	Line Lock	AC24V
LVC-A730HP	x16	x8	Super 1/4	470K	480 Lines	1Lux	X	X	X	X	6Pin Din	PTZ or RS232C or RS422	Internal	DC12V

x27 D&N Camera

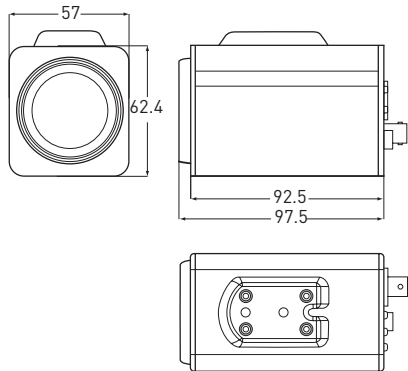
LVC-C513HM (NTSC)
LVC-C513HP (PAL)



Specifications

Model	LVC-C513HM	LVC-C513HP
Signal System	NTSC	PAL
Scanning System	2:1 Interface	
Scanning Frequency(H)	15.743 KHz	15.625 KHz
Scanning Frequency(V)	59.94 KHz	50 KHz
Pick-up Device	1/4" EX View HAD CCD	
Total Pixels No.	811(H)x508(V) 410K	795(H)x596(V) 470K
Effective Pixels No.	768(H)x494(V) 380K	752(H)x582(V) 440K
S/N Ratio	More Than 50dB	
Horizontal Resolution	More Than 500 TV Lines	
Lens	x27 Zoom (F1.5(W), F3.6(T) f=3.25~88.0mm)	
Min. Shooting Distance	WIDE(0.01m), TELE(1.0m)	
Privacy Zones	8 Area Active Programmable Zone	
Image Capture	1 Field Image Freezer, Image Rotation, Flip, Mirror	
Min. Illuminance	Normal Mode : 1 Lux(1/3 Video Output) Digital Slow Shutter : 0.01 Lux(20Field Accumulate) Night Mode : 0 Lux(Infrared on) / 0.005 Lux(Infrared off)	
OSD(On Screen Display)	English only	
Sync System	Internal	
Video Output	Composite Video Output(1Vp-p 75Ω Terminated), Y/C Separated	
Camera Control	RS232C(TTL Level) / RS232C (Optional)	
Zoom Speed	5 Sec Mode / 7 Sec Mode / 9 Sec Mode	
Zoom / Focus Preset	128 Position Set / Move (Store with Internal EEPROM)	
Function	Camera ID	Off, 0-255(Total 256)
	Focus mode	Push Auto/Auto/Manual
	White Balance	Auto(ATW)/Indoor/Outdoor/Manual/Push Auto
	AE Mode	Auto/Iris Manual/AGC Manual/ DSS Manual
	Motion Detect	On/Off (Level Sensitivity : 0-150(16 steps))
	E.Shutter	1/3 to 1/50000 2/5 to 1/50000
	Flickerless Mode	Manual On/Off
	Iris Control	Auto/Manual
	AGC Control	Auto/Manual
	Electronic Sensitivity	Auto: x2,x3,x4,...x20 Fix :x2,x3,x4,...x20
Wide Dynamic Range		On/Auto/Off
Operation Temperature		-10°C ~ 50°C
Operation Humidity		0%RH~60%RH
Storage Temperature		-20 °C ~ 60 °C
Supplied Voltage		DC 12V
Power Consumption		Max 5.1W
Dimension(WxHxD)		57x62.4x97.5mm
Weight		480g

Dimension (unit : mm)



x27 D&N Camera

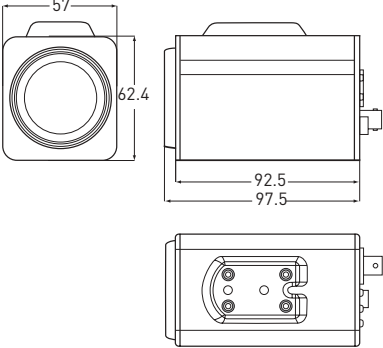
LVC-C313HM (NTSC)
LVC-C313HP (PAL)



Specifications

Model	LVC-C313HM	LVC-C313HP
Signal System	NTSC	PAL
Scanning System	2:1 Interlace	
Scanning Frequency(H)	15.734 KHz	15.625 KHz
Scanning Frequency(V)	59.94 Hz	50 Hz
Pick-up Device	1/4" Super HAD CCD	
Total Pixels No.	811(H) x 508(V) 410K	795(H) x 596(V) 470K
Effective Pixels No.	768(H) x 494(V) 380K	752(H) x 582(V) 440K
S/N Ratio	More than 48dB	
Horizontal Resolution	More Than 480 TV Lines	
Lens	x27 Zoom (F1.5(W), F3.6(T) f=3.25mm~88.0mm)	
Min. Shooting Distance	WIDE (0.01m), TELE (1.0m)	
Min. Illuminance	Normal Mode : 1 Lux (1/3 Video Output) Digital Slow Shutter : 0.01 Lux(32Field Accumulate) Night Mode : 0 Lux(Infrared on) / 0.005 Lux (Infrared off)	
OSD(On Screen Display)	English only, English/Chinese	
Digital Zoom Ratio	x10 (Total Zoom Ratio x270), x2~x10 Variable	
Sync System	Internal	
Video Output	Composite Video Output(1Vp-p 75Ω Terminated), Y/C Separated	
Camera Control	P/T/Z Control	
Zoom Speed	5 Sec Mode / 7 Sec Mode / 9 Sec Mode	
Zoom / Focus Preset	64 Position Set / Move (Store with Internal EEPROM)	
Function	Camera ID	Off, 0-255(Total 256)
	Focus Mode	Push Auto/Auto/Manual
	White Balance	Auto/Special/Indoor/Outdoor/Manual/Push Auto
	AE Mode	Auto/Iris Manual/AGC Manual/Manual
	Motion Detect	On/Off (Level Sensitivity : 0-15(16 steps))
	OSD	Function/Motion/Camera ID/Zoom MAG/User Title/Initial Title
	Electronic Sensitivity	Auto:x2,x4,x6,x10,x16,x32 Fix:x2,x4,x6,x10,x16,x32
	Wide Dynamic Range	On / Auto / Off
Operation Temperature		-10°C~ 50°C
Operation Humidity		0%RH~60%RH
Storage Temperature		-20 °C~60 °C, 0%RH~85%RH
Supplied Voltage		DC 12V
Power Consumption		Max 5.3W
Dimension(WxHxD)		57 x 62.4 x 97.5mm
Weight		480g

Dimension (unit : mm)



x22 Zoom Camera

LVC-A913HM (NTSC)
LVC-A913HP (PAL)



Specifications

Model	LVC-A913HM	LVC-A913HP
Signal System	NTSC	PAL
Scanning System	2:1 Interlace	
Scanning Frequency(H)	15.734 KHz	15.625 KHz
Scanning Frequency(V)	59.94 Hz	50 Hz
Pick-up Device	1/4" Super HAD CCD	
Total Pixels No.	811(H) x 508(V) 410K	795(H) x 596(V) 470K
Effective Pixels No.	768(H) x 494(V) 380K	752(H) x 582(V) 440K
S/N Ratio	More Than 48dB	
Horizontal Resolution	More Than 480 TV Lines	
Lens	x22 Zoom (F1.6 f=3.9mm~85.8mm)	
Min. Shooting Distance	WIDE (0.01m), TELE (1.0m)	
Min. Illuminance	Normal Mode : 1 Lux (1/3 Video Output) Digital Slow Shutter : 0.01 Lux (32Field Accumulate)	
OSD(On Screen Display)	English only, English/Chinese	
Digital Zoom Ratio	x10 [Total Zoom Ratio x220], x2~x10 Variable	
Sync System	Internal	
Video Output	Composite Video Output(1Vp-p 75Ω Terminated), Y/C Separated	
Camera Control	P/T/Z Control & RS232C	
Zoom Speed	3 Sec Mode	
Function	Camera ID	Off, 0-255(Total 256)
	Focus Mode	Push Auto/Auto/Manual
	White Balance	Auto/Special/Indoor/Outdoor/Manual/Push Auto
	AE Mode	Auto/Iris Manual/AGC Manual/Manual
	Motion Detect	On/Off (Level Sensitivity : 0-15[16 steps])
	OSD	Function/Motion/Camera ID/Zoom MAG/User Title/Initial Title
	Electronic Sensitivity	Auto : x2, x4, x6, x10, x16, x32 Fix : x2, x4, x6, x10, x16, x32
Wide Dynamic Range		On / Auto / Off
Operation Temperature		-10°C ~ 50°C
Operation Humidity		0%RH~60%RH
Storage Temperature		-20 °C~60 °C, 0%RH~85%RH
Supplied Voltage		DC 12V
Power Consumption		Max 5W
Dimension(WxHxD)		56.2 x 64 x 101mm
Weight		388g

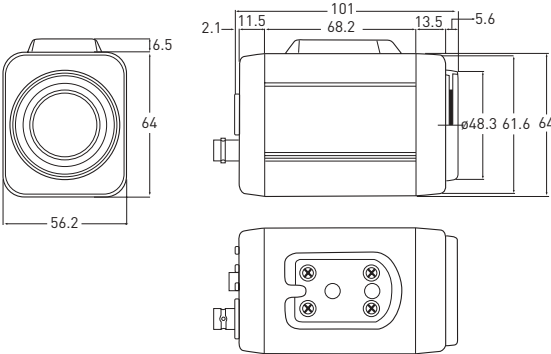
Feature

- Built-in x22 zoom lens, x10 digital zoom
- Digital Slow Shutter
- Wide Dynamic Range (Dual AGC)
- Min. illumination of 0.01 lux at DSS mode
- 480 TV lines of horizontal resolution
- Motion Detection, Auto Focus, Auto Iris
- Six alternative White Balance control mode
- Sharpness and Mirror

Rear View



Dimension (unit : mm)



x16 Zoom Camera

LVC-A730HM (NTSC)
LVC-A730HP (PAL)



Specifications

Model	LVC-A730HM	LVC-A730HP
Signal System	NTSC	PAL
Scanning System	2:1 Interlace	
Scanning Frequency(H)	15.734 KHz	15.625 KHz
Scanning Frequency(V)	59.94 Hz	50 Hz
Pick-up Device	1/4" Super HAD CCD	
Total Pixels No.	811(H) x 508(V) 410K	795(H) x 596(V) 470K
Effective Pixels No.	768(H) x 494(V) 380K	752(H) x 582(V) 440K
S/N Ratio	More Than 48dB	
Horizontal Resolution	More Than 480 TV Lines	
Lens	x16 Zoom (F1.6 f=3.9mm~63mm), Video AF	
Min. Shooting Distance	WIDE(0.01m), TELE(1.0m)	
Min. Illuminance	1 Lux(1/3 Video Ouput)	
OSD(On Screen Display)	English only, English/Chinese	
Digital Zoom Ratio	x8 [Total Zoom Ratio x128], x2~x8 Variable	
Sync System	Internal	
Video Output	Composite Video Output(1Vp-p 75Ω Terminated), Y/C Separated	
Camera Control	P/T/Z Control or RS232C or RS422	
Zoom Speed	3 Sec Mode	
Function	Camera ID	0-255(Total 256)
	Focus Mode	Push Auto/Auto/Manual
	White Balance	Push Auto/Auto/Special/Indoor/Outdoor/Manual
	AE Mode	Auto/Iris Manual/AGC Manual/Manual
	Iris Control	Auto/Manual (Iris Up/Down)
	AGC Control	Auto/Manual
	Shutter Speed	1/60~1/10000Sec 8 Steps 1/50~1/10000Sec 8 Steps
Function	Flickerless On	Off/On[1/100Sec Shutter Set] Off/On[1/120Sec Shutter Set]
	Back Light Control	On/Off
Negative / Positive		Negative On/Off
Operation Temperature		-10°C ~ 50°C
Operation Humidity		0%RH~60%RH
Storage Temperature		-20 °C~60 °C, 0%RH~85%RH
Supplied Voltage		DC 12V
Power Consumption		Max 4.7W
Dimension(WxHxD)		59 x 61 x 101mm
Weight		345g

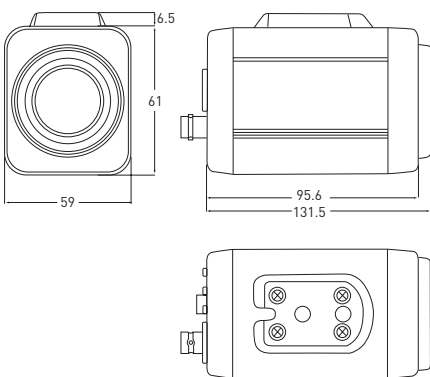
Feature

- Built-in x16 zoom lens, x8 digital zoom
- 480 TV lines of horizontal resolution
- Min. illumination of 1 lux
- Auto Focus, Auto Iris, Backlight Compensation
- Six alternative White Balance control mode
- Sharpness and Mirror

Rear View



Dimension (unit : mm)



C/CS Mount Camera



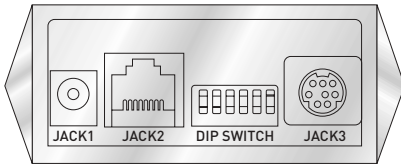
■ Specifications

Model	LPT-A100L	
Angular Travel	Pan (Manual / Auto)	320° / 290°
	Tilt (Up / Down)	20° / 30°
Speed	Pan (High / Low)	6.2° / Sec 4.5° / Sec
	Tilt	4.5° / Sec
Controller	RS-232C / 422 / 485	Yes
	Camera	AD Key
Power Supply	DC 12V, 1.0 A	
Operation Temperature	0 °C ~ 40 °C	
Safekeeping Temperature	-20 °C ~ 60 °C	
Power Consumption	15W	
Weight	1.3kg	
Load Rating	5kg	
Dimensions (W x H)	ø136 x 106mm	

■ Feature

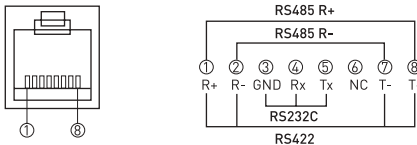
- Compact Pan/Tilt driver
- Easy to install : Rx receiver included
- Panning Speed controllable
- Interface through RS232C/422/485
- Controllable directly with DVR without Rx receiver
- Compatible with LG zoom cameras (Recommended model : LG 6 Pin Din Zoom Cameras)

■ Rear View



■ Interface

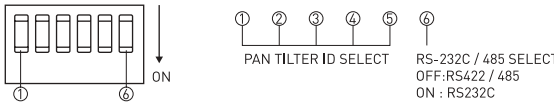
Control (RS232C / 422 / 485)



Camera



ID SELECT (PAN TILTER ID)



C/CS Mount Camera

Comparison Chart by Model

Spec Model	Type	CCD	Total Pixels	Resolution	Min. illuminance	DSS	Motion Detection	Wide Burst	Digital Zoom	Sync	Voltage
LVC-SX701PC	Color NTSC	Double Density 1/3	410K	500 lines	0.003Lux	0	0	X	X2	Internal/External	AC24/DC12V
LVC-SX7010C	Color NTSC	Super 1/3	410K	500 lines	0.003Lux	0	0	X	X2	Internal/External	AC24/DC12V
LVC-SX701MC	Color NTSC	Super 1/3	410K	500 lines	0.3Lux	X	0	X	X2	Internal/External	AC24/DC12V
LVC-SX703PC	Color PAL	Double Density 1/3	470K	500 lines	0.003Lux	0	0	X	X2	Internal/External	AC24/DC12V
LVC-SX7030C	Color PAL	Super 1/3	470K	500 lines	0.003Lux	0	0	X	X2	Internal/External	AC24/DC12V
LVC-SX703MC	Color PAL	Super 1/3	470K	500 lines	0.3Lux	X	0	X	X2	Internal/External	AC24/DC12V
LVC-SX703PB	Color PAL	Double Density 1/3	470K	500 lines	0.003Lux	0	0	X	X2	Internal/External	AC230V
LVC-SX7030B	Color PAL	Super 1/3	470K	500 lines	0.003Lux	0	0	X	X2	Internal/External	AC230V
LVC-SX703MB	Color PAL	Super 1/3	470K	500 lines	0.3Lux	X	0	X	X2	Internal/External	AC230V
LVC-S60HM	Color NTSC	Super 1/3	410K	480 lines	0.4Lux	X	X	X	X	Internal/Line Lock	DC12V/AC24V
LVC-S60HP	Color PAL	Super 1/3	470K	480 lines	0.4Lux	X	X	X	X	Internal/Line Lock	DC12V/AC24V
LVC-S60NM	Color NTSC	Super 1/3	270K	330 lines	0.4Lux	X	X	X	X	Internal/Line Lock	DC12V/AC24V
LVC-S60NP	Color PAL	Super 1/3	320K	320 lines	0.4Lux	X	X	X	X	Internal/Line Lock	DC12V/AC24V
LVC-S20HM	Color NTSC	Super 1/3	410K	480 lines	0.01Lux	0	0	0	x2	Internal/Line Lock	DC12V/AC24V
LVC-S20HP	Color PAL	Super 1/3	470K	480 lines	0.01Lux	0	0	0	x2	Internal/Line Lock	DC12V/AC24V
LVC-S201HM	Color NTSC	Super 1/3	410K	480 lines	0.01Lux	0	0	0	x2	Internal/Line Lock	AC100V/AC240V
LVC-S201HP	Color PAL	Super 1/3	470K	480 lines	0.01Lux	0	0	0	x2	Internal/Line Lock	AC100V/AC240V
LVC-S10HM	Color NTSC	Super 1/3	410K	480 lines	0.5Lux	X	0	0	x2	Internal/Line Lock	DC12V/AC24V
LVC-S10HP	Color PAL	Super 1/3	470K	480 lines	0.5Lux	X	0	0	x2	Internal/Line Lock	DC12V/AC24V
LVC-S10NM	Color NTSC	Super 1/3	270K	330 lines	0.4Lux	X	0	0	X	Internal/Line Lock	DC12V/AC24V
LVC-S10NP	Color PAL	Super 1/3	320K	320 lines	0.4Lux	X	0	0	X	Internal/Line Lock	DC12V/AC24V
LVC-S101HM	Color NTSC	Super 1/3	410K	480 lines	0.5Lux	X	0	0	x2	Internal/Line Lock	AC100V/AC240V
LVC-S101HP	Color PAL	Super 1/3	470K	480 lines	0.5Lux	X	0	0	x2	Internal/Line Lock	AC100V/AC240V
LVC-S101NM	Color NTSC	Super 1/3	270K	330 lines	0.4Lux	X	0	0	X	Internal/Line Lock	AC100V/AC240V
LVC-S101NP	Color PAL	Super 1/3	320K	320 lines	0.4Lux	X	0	0	X	Internal/Line Lock	AC100V/AC240V
LVC-S50HE	B/W EIA	Super 1/3	410K	580 lines	0.05Lux	X	X	X	X	Internal	DC12V
LVC-S50HC	B/W CCIR	Super 1/3	470K	570 lines	0.05Lux	X	X	X	X	Internal	DC12V

D&N Camera

LVC-SX701PC (NTSC)
LVC-SX703PC (PAL)

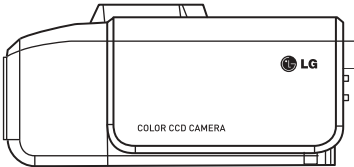
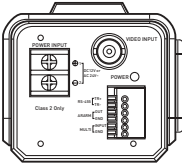
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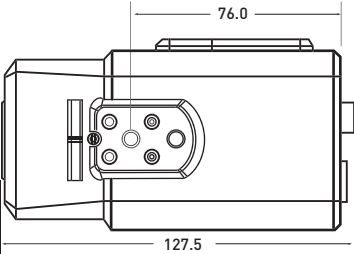
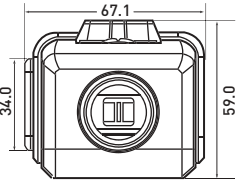
Feature

- Filter Changeable Day & Night
- WDR by Dual Shutter
- Digital Slow Shutter
- Motion Detection (Isolation MOS Relay OUT)
- Multi Language OSD
- CS Mount (C Mount Using Adaptor Ring)
- DC/Video/ELC Iris Lens Available
- DC 12V/AC24V (PAL: AC 230 V Available)
- Privacy Zone Masking (8 Area)
- RS-485 Serial Communication

Rear View



Dimension (unit : mm)



Specifications

Model	LVC-SX701PC	LVC-SX703PC
Signal System	NTSC	PAL
Total/Effective Pixels No	410K/380K Pixels	470K/440K Pixels
Pick-up Device	1/3" Double density Interline Color CCD	
Lens	CS Mount (C mount using adaptor ring)	
Iris Control	DC/ELC/VIDEO Selectable	
Signal Process	Digital Signal Process	
Scanning System	2:1 Interlace	
Sync System	Internal / External (L.L.)	
Scanning Frequency	59.94 Hz(VD)	50 Hz(VD)
Resolution	500 TV Lines	500 TV Lines
S/N Ratio	More Than 50dB (AGC Off)	
Minimum Illuminance	0.7 Lux (1/3 Video Output, F1.2) ; Color ON, DSS OFF 0.3 Lux (1/3 Video Output, F1.2) ; Color OFF,DSS OFF 0.003 Lux (1/3 Video Output, F1.2) ; Color OFF,DSS ON	
Video Output Signal	1Vp-p Composite (75ohm)	
Auto Gain Control	AUTO/Manual	
Day & Night	Auto/Manual(EXT.)	
Electric Shutter	1/60 ~ 1/100,000	1/50 ~ 1/100,000
White Balance	AUTO/Push auto/Manual	
WDR(BLC)	WDR/BLC ON/BLC OFF	
Motion Detection	Isolation MOS Relay OUT	
Power Source	DC12V/AC 24V (230V : PAL only)	
Power Consumption	6 W	
Operation Temp	-10°C ~ 50°C (Humidity: 0%RH~60%RH)	
Storage Temp	-20°C ~ 60°C (Humidity: 0%RH~85%RH)	
Weight	250 g	
Dimension(H x V x D)	67.1x59x127.5	

Series Model

Models	SIGNAL SYSTEM	D&N	WDR	DSS	Power Source
LVC-SX701PC	NTSC	•	•	•	AC24/DC12V
LVS-SX7010C	NTSC	•			AC24/DC12V
LVC-SX701MC	NTSC	•			AC24/DC12V
LVC-SX703PC	PAL	•	•	•	AC24/DC12V
LVC-SX7030C	PAL	•		•	AC24/DC12V
LVC-SX703MC	PAL	•			AC24/DC12V
LVC-SX703PB	PAL	•	•	•	AC230V
LVC-SX7030B	PAL	•		•	AC230V
LVC-SX703MB	PAL	•			AC230V

Color Camera

LVC-S60HM (NTSC)
LVC-S60HP (PAL)



Specifications

Model	LVC-S60HM	LVC-S60HP
Signal System	NTSC	PAL
Total/Effective Pixels	410K/380K Pixels	470K/440K Pixels
Pick-up Device	1/3" Interline Color CCD (Super HAD)	
Lens	C/CS Mount (Adapter Ring for C mount lens:optional)	
Iris Control	DC / AES / VIDEO	
Signal Process	Digital Signal Process	
Scanning System	2:1 Interlace	
Sync. System	Internal / Line Lock	
Scanning Frequency	59.94Hz(VD)	50.00Hz(VD)
Resolution	480 Lines	
S/N Ratio	More Than 50dB	
Standard Illuminance	2000 Lux [5100 °K]	
Sensitivity (1/3 Output)	0.4 Lux (F1.0)	
Video Output Signal	1 Vp-p Composite [75Ω]	
Back Light	On / Off	
Gain Control	On [30dB] / Off [10dB]	
Flickerless	On / Off	
White Balance	ATW / HOLD	
Exposure	Automatic control with DC Iris meter / Video Iris meter / Auto Electronic Shutter (Max. 1/100000)	
Power Source	DC12V (Auto Polarity Sensing) / AC24V	
Power Consumption	3.5W	
Operation Temperature	-10 °C~50 °C (Humidity : 0%RH~60%RH)	
Storage Temperature	-20 °C~60 °C (Humidity : 0%RH~85%RH)	
Weight	300g	
Dimension(H x V x D)	55 x 56x 123mm	

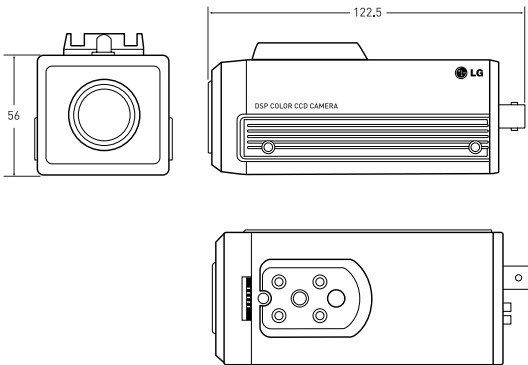
Feature

- Digital Signal Processing (DSP)
- 1/3" Super HAD CCD
410,000 pixels (NTSC)
470,000 pixels (PAL)
- 480 TV lines of horizontal resolution
- High sensitivity with a minimum scene illumination of 0.4 lux (F1.0)
- BLC covers various light conditions
- White Balance : Auto / Manual
- Excellent Signal-to-noise ratio of 50dB
- Internal / External synchronization with Line-Lock
- Accept 3 types of auto iris lenses (DC / AES / Video)
- Auto polarity

Rear View



Dimension (unit : mm)



Color Camera

LVC-S20HM (NTSC)
LVC-S20HP (PAL)



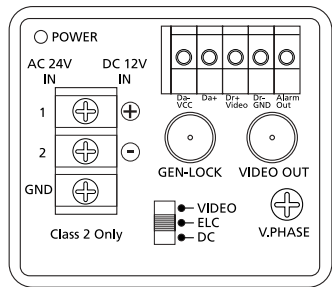
Specifications

Model	LVC-S20HM	LVC-S20HP
Signal System	NTSC	PAL
Total/Effective Pixels No.	410K/380K Pixels	470K/440K Pixels
Pick-up Device	1/3" Interline Color CCD(Super HAD)	
Lens	C/CS Mount	
Iris Control	VIDEO / ELC / DC	
Signal Process	Digital Signal Process	
Digital Zoom	x2	
Scanning System	2:1 Interlace	
Sync. System	Internal/ External (VS/VD/Line Lock)	
Scanning Frequency	59.94Hz(VD)	50Hz(VD)
Resolution	480 Lines	
S/N Ratio	More Than 50dB	
Standard Illuminance	2000 Lux [3200 °K]	
Sensitivity(1/3 Output)	Normal Mode : 0.5 Lux [30IRE,F1.0], Electronic Shutter Speed Mode : 0.01 Lux [32 Field Accumulate]	
Video Output Signal	1 Vp-p Composite [75Ω]	
Back Light	On / Off	
Gain Control	On / Off	
White Balance	ATW / AWC / Push Auto	
Electronic Exposure	Electronic Shutter[1/60-1/10000]	Electronic Shutter[1/50-1/10000]
Shutter Speed	8 Step with Flickerless [Normal 1/60]	8 Step with Flickerless [Normal 1/50]
Brightness	Manual Up / Down	
Motion Detection	TTL Out (Low Active)	
Wide Burst	On / Off	
Sharpness	Normal/ Soft/ Sharp	
Power Source	DC 12V / AC24V	
Power Consumption	4W	
Operation Temperature	-10°C ~ 50°C (Humidity: 0%RH~60%RH)	
Storage Temperature	-20 °C~60 °C (Humidity: 0%RH~85%RH)	
Weight	430g	
Dimension(H x V x D)	58 x 66 x 136mm	

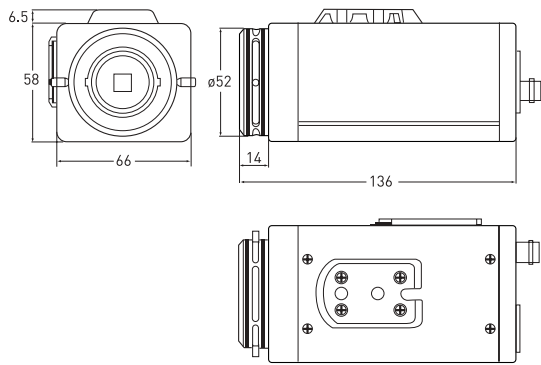
Feature

- Digital Signal Processing (DSP)
- 1/3" Super HAD CCD
410,000 pixels (NTSC)
470,000 pixels (PAL)
- 480 TV lines of horizontal resolution
- High sensitivity with a minimum scene illumination of 0.01 lux (F1.0) with DSS
- BLC covers various light conditions
- White Balance : Auto / Manual
- Excellent signal-to-noise ratio of 50dB
- Internal / External synchronization with line-lock
- Accept 3 types of auto iris lenses (Video / ELC / DC)
- On Screen Display Menu
- x2 Digital Zoom
- Motion detection
- Wide burst for long distance use
- Accpet CS and C mount lenses without adaptor

Rear View



Dimension (unit : mm)



Color Camera

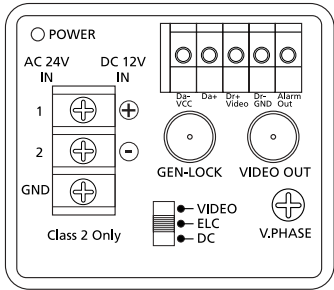
LVC-S10HM (NTSC)
LVC-S10HP (PAL)



Feature

- Digital Signal Processing (DSP)
- 480 TV lines of horizontal resolution
- High sensitivity with a minimum scene illumination of 0.5 lux (F1.0)
- BLC covers various light conditions
- White Balance : Auto / Manual
- Excellent signal-to-noise ratio of 50dB
- Internal / External synchronization with line-lock
- Accept 3 types of auto iris lenses (Video / ELC / DC)
- On screen menus
- x2 Digital Zoom
- Motion detection
- Wide burst for long distance use
- Accpet CS and C mount lenses without adaptor

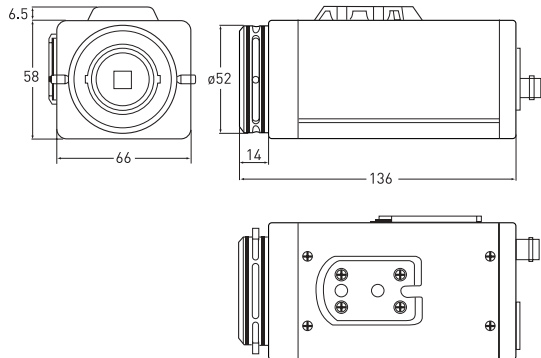
Rear View



Specifications

Model	LVC-S10HM	LVC-S10HP
Signal System	NTSC	PAL
Total/Effective Pixels No.	410K/380K Pixels	470K/440K Pixels
Pick-up Device	1/3" Interline Color CCD(Super HAD)	
Lens	C/CS Mount	
Iris Control	VIDEO / ELC / DC	
Signal Process	Digital Signal Process	
Digital Zoom	x2	
Scanning System	2:1 Interlace	
Sync. System	Internal / External (VS/VD/Line Lock)	
Scanning Frequency	59.94Hz(VD)	50Hz(VD)
Resolution	480 Lines	
S/N Ratio	More Than 50dB	
Standard Illuminance	2000 Lux (3200 °K)	
Sensitivity(1/3 Output)	0.5 Lux (30IRE,F1.0)	
Video Output Signal	1 Vp-p Composite (75Ω)	
Back Light	On / Off	
Gain Control	On / Off	
White Balance	ATW / AWC / Push Auto	
Electronic Exposure	Electronic Shutter(1/60-1/10000)	Electronic Shutter(1/50-1/10000)
Shutter Speed	8 Step with Flickerless(Normal 1/60)	8 Step with Flickerless(Normal 1/50)
Brightness	Manual Up / Down	
Motion Detection	TTL Out (Low Active)	
Wide Burst	On / Off	
Sharpness	Normal/ Soft/ Sharp	
Power Source	DC12V / AC24V	
Power Consumption	3.5W	
Operation Temperature	-10°C ~ 50°C	
Storage Temperature	-20°C ~ 60°C	
Weight	430g	
Dimension [H x V x D]	58 x 66 x 136mm	

Dimension (unit : mm)



Black and White Camera

LVC-S50HE (EIA)
LVC-S50HC (CCIR)



Feature

- Digital Signal Processing (DSP)
- 580 TV lines of horizontal resolution (NTSC)
570 TV lines of horizontal resolution (PAL)
- High sensitivity with a minimum scene illumination of 0.05 lux(F1.2)
- Excellent signal-to-noise ratio of 50dB
- Accept 3 types of auto iris lenses (DC/AES/Video)

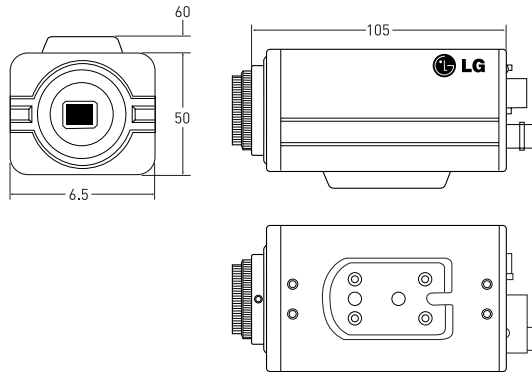
Rear View



Specifications

Model	LVC-S50HE	LVC-S50HC
Signal System	EIA	CCIR
Total/Effective Pixels No.	410K/380K Pixels	470K/440K Pixels
Pick-up Device	1/3" Interline B/W CCD (Super HAD)	
Lens	C/CS Mount (Adapter Ring for C mount lens:optional)	
Iris Control	DC / AES / VIDEO	
Signal Process	Digital Signal Processor	
Scanning System	2:1 Interlace	
Sync. System	Internal	
Scanning Frequency	59.94Hz(VD)	50Hz(VD)
Resolution	580 Lines	570 Lines
S/N Ratio	More Than 50dB	
Standard Illuminance	2000 Lux (3200 °K)	
Sensitivity(1/3 Output)	0.05 Lux F1.2	
Video Output Signal	1.0 Vp-p Composite Signal (75Ω)	
Gain Control	On/Off	
Exposure	Automatic control with DC Iris meter / Electronic Light Control / AE Combined	
Flickerless	ON / OFF	
Back Light	Auto / OFF	
Power Source	DC12V	
Power Consumption	Less than 70mA	
Operation Temperature	-10 °C~50 °C (Humidity: 0%RH~60%RH)	
Storage Temperature	-20 °C~60 °C (Humidity: 0%RH~85%RH)	
Dimension(H x V x D)	60 x 50 x 105mm	
Weight	280g	

Dimension (unit : mm)



1/3" CS Mount Lens
CCTV Lens

Accessories



CS3514M

Feature

- CS mount
- Vari-focus : 3.5~8.0mm
- Manual iris



CS3514D

Feature

- CS mount
- Vari-focus : 3.5~8.0mm
- Auto (DC) iris

Rear View



CS3514M

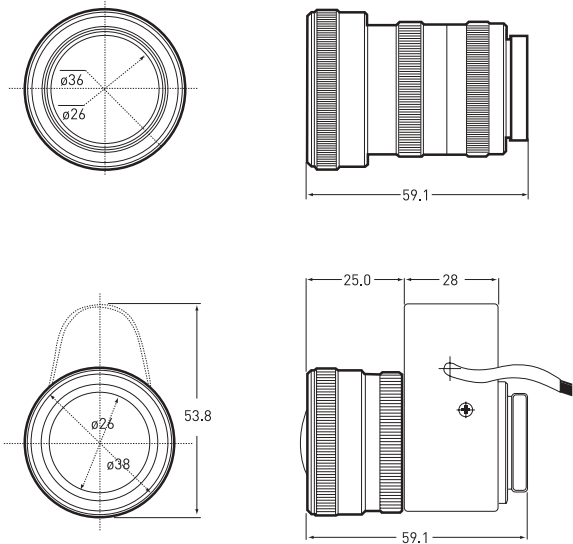


CS3514D

Specifications

Model	CS3514M	CS3514D
Image Format	1 /3" CCD	1 /3" CCD
Focal Length	3.5~8mm	3.5~8mm
Zoom Ratio	x2.3	x2.3
Mount (Flange Back)	CS Mount (12.5mm)	CS Mount (12.5mm)
F NO.	1.4	1.4
Angle of View [Diagonal]	92°~43°	92°~43°
Min. Object Distance	0.5m	0.5m
Lens Construction	7Groups 9Elements	7Groups 9Elements
Iris	Manual Iris	DC Iris
Dimension (Dia x W)	ø36x59.1	ø38x59.1
Weight	106.7g	125g

Dimension (unit : mm)



1/3" C Mount Lens
CCTV Lens

Accessories



C4020F (4mm)

Feature

- C mount
- Fixed-focus : 4.0mm
- Fixed iris



C6020F (6mm)

Feature

- C mount
- Fixed-focus : 6.0mm
- Fixed iris



C8020F (8mm)

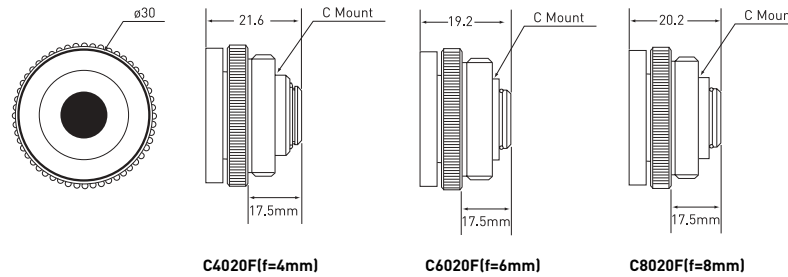
Feature

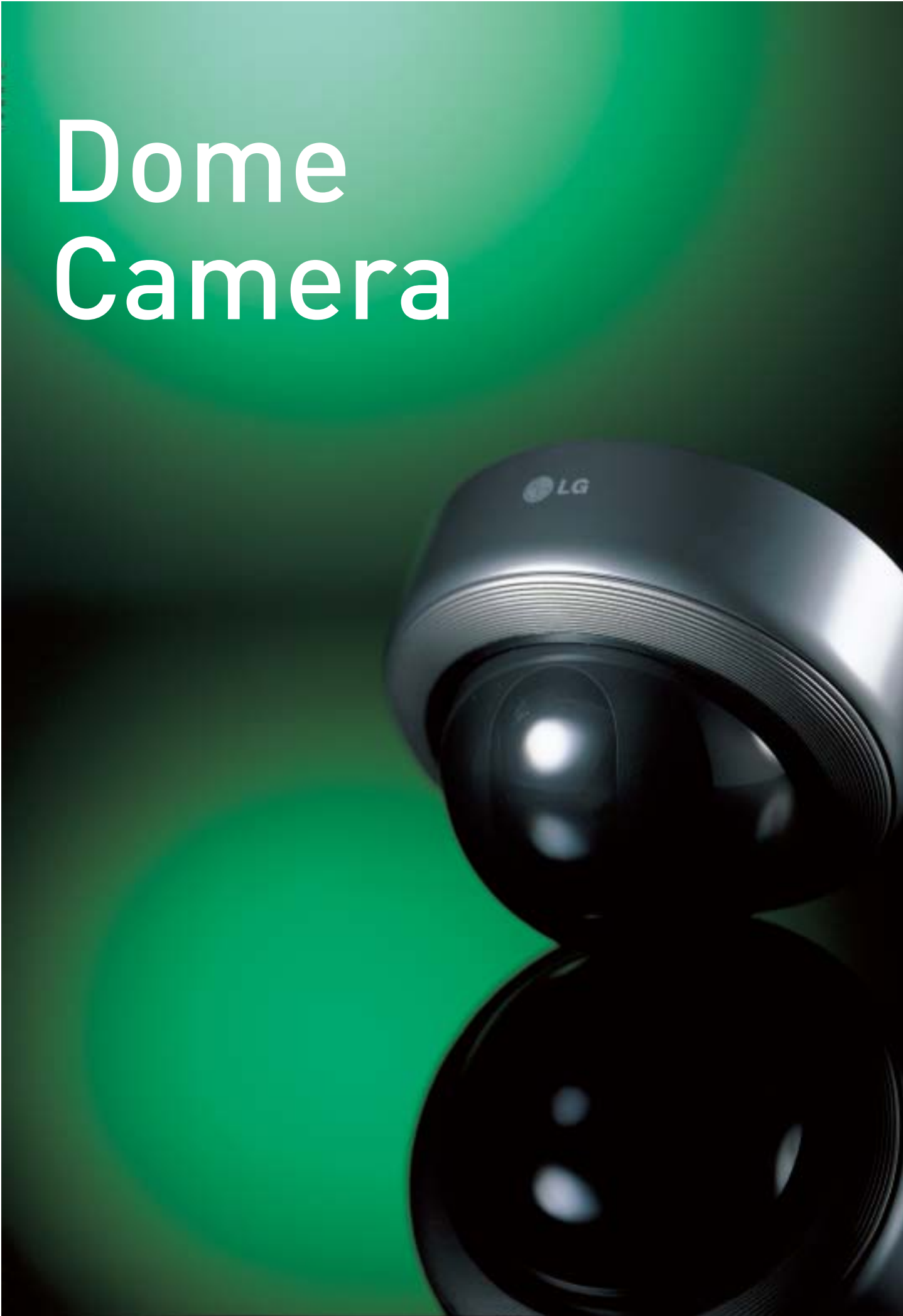
- C mount
- Fixed-focus : 8.0mm
- Fixed iris

Specifications

Model	C4020F	C6020F	C8020F
Image Format	1 /3" CCD	1 /3" CCD	1 /3" CCD
Focal Length	4.0mm	6.0mm	8.0mm
Mount (Flange Back)	C Mount (17.5mm)	C Mount (17.5mm)	C Mount (17.5mm)
F NO.	2.0	2.0	2.0
Angle of View [Diagonal]	81°	54°	38.6°
Min. Object Distance	10cm	10cm	10cm
Lens Construction	4Groups 4Elements	4Groups 4Elements	4Groups 4Elements
Iris	Fixed	Fixed	Fixed
Dimension (Dia x W)	ø30*21.6	ø30*19.2	ø30*20.2
Weight	24g	19g	25g

Dimension (unit : mm)





Dome Camera

Comparison Chart by Model

Spec Model	Type	CCD	Total Pixels	Focus	Resolution	Min. illuminance	Day & Night	Optical Zoom	Sync	Voltage
LVC-DV321EC	NTSC	Super HAD	410K	2.6~6.0mm	500 lines	0.5Lux	0	x2	Internal/L.L[External]	DC12V / AC24V
LVC-DV323EC	PAL	Super HAD	470K	2.6~6.0mm	500 lines	0.5Lux	0	x2	Internal/L.L[External]	DC12V / AC24V
LVC-DV341EC	NTSC	Super HAD	410K	4.0~9.0mm	500 lines	0.5Lux	0	x2	Internal/L.L[External]	DC12V / AC24V
LVC-DV343EC	PAL	Super HAD	470K	4.0~9.0mm	500 lines	0.5Lux	0	x2	Internal/L.L[External]	DC12V / AC24V
LVC-DV100HM	NTSC	Super 1/3	410K	4.0~9.0mm	480 lines	0.5Lux	X	x2	Internal	DC12V
LVC-DV100HP	PAL	Super 1/3	470K	4.0~9.0mm	480 lines	0.5Lux	X	x2	Internal	DC12V
LVC-DV101HM	NTSC	Super 1/3	410K	2.6~6.0mm	480 lines	0.5Lux	X	x2	Internal	DC12V
LVC-DV101HP	PAL	Super 1/3	470K	2.6~6.0mm	480 lines	0.5Lux	X	x2	Internal	DC12V
LVC-DV110HM	NTSC	Super 1/3	410K	4.0~9.0mm	480 lines	0.5Lux	X	x2	Line Lock	AC24V
LVC-DV110HP	PAL	Super 1/3	470K	4.0~9.0mm	480 lines	0.5Lux	X	x2	Line Lock	AC24V
LVC-DV111HM	NTSC	Super 1/3	410K	2.6~6.0mm	480 lines	0.5Lux	X	x2	Line Lock	AC24V
LVC-DV111HP	PAL	Super 1/3	470K	2.6~6.0mm	480 lines	0.5Lux	X	x2	Line Lock	AC24V
LVC-D200HM	NTSC	Super 1/3	410K	3.0mm	480 lines	0.5Lux	X	X	Internal	DC12V
LVC-D200HP	PAL	Super 1/3	470K	3.0mm	480 lines	0.5Lux	X	X	Internal	DC12V
LVC-D201HM	NTSC	Super 1/3	410K	6.0mm	480 lines	0.5Lux	X	X	Internal	DC12V
LVC-D201HP	PAL	Super 1/3	470K	6.0mm	480 lines	0.5Lux	X	X	Internal	DC12V
LVC-D202HM	NTSC	Super 1/3	410K	12.0mm	480 lines	0.5Lux	X	X	Internal	DC12V
LVC-D202HP	PAL	Super 1/3	470K	12.0mm	480 lines	0.5Lux	X	X	Internal	DC12V
LVC-D203HM	NTSC	Super 1/3	410K	8.0mm	480 lines	0.5Lux	X	X	Internal	DC12V
LVC-D203HP	PAL	Super 1/3	470K	8.0mm	480 lines	0.5Lux	X	X	Internal	DC12V
LVC-D204HM	NTSC	Super 1/3	410K	3.7mm	480 lines	0.5Lux	X	X	Internal	DC12V
LVC-D204HP	PAL	Super 1/3	470K	3.7mm	480 lines	0.5Lux	X	X	Internal	DC12V
LVC-D210HM	NTSC	Super 1/3	410K	3.0mm	480 lines	0.5Lux	X	X	Line Lock	AC24V
LVC-D210HP	PAL	Super 1/3	470K	3.0mm	480 lines	0.5Lux	X	X	Line Lock	AC24V
LVC-D211HM	NTSC	Super 1/3	410K	6.0mm	480 lines	0.5Lux	X	X	Line Lock	AC24V
LVC-D211HP	PAL	Super 1/3	470K	6.0mm	480 lines	0.5Lux	X	X	Line Lock	AC24V
LVC-D212HM	NTSC	Super 1/3	410K	12.0mm	480 lines	0.5Lux	X	X	Line Lock	AC24V
LVC-D212HP	PAL	Super 1/3	470K	12.0mm	480 lines	0.5Lux	X	X	Line Lock	AC24V
LVC-D213HM	NTSC	Super 1/3	410K	8.0mm	480 lines	0.5Lux	X	X	Line Lock	AC24V
LVC-D213HP	PAL	Super 1/3	470K	8.0mm	480 lines	0.5Lux	X	X	Line Lock	AC24V
LVC-D214HM	NTSC	Super 1/3	410K	3.7mm	480 lines	0.5Lux	X	X	Line Lock	AC24V
LVC-D214HP	PAL	Super 1/3	470K	3.7mm	480 lines	0.5Lux	X	X	Line Lock	AC24V

D&N Dome Camera

LVC-DV321EC (NTSC) LVC-DV323EC (PAL)

New



Specifications

Model	LVC-DV321EC	LVC-DV323EC
Signal System	NTSC	PAL
Total/Effective Pixels No	410K / 380K	470K / 440K
Pick-up Device	1/3" Interline Color CCD (Super HAD)	
Lens	f=2.6~6.0mm / F1.4 DC IRIS	
Angular Field of View	125.0°~60.0°	
Focus	Manual	
Signal Process	Digital Signal Process	
Scanning System	2:1 Interlace	
Sync System	Internal / L.L(External)	
Scanning Frequency	59.94 Hz(VD)	50 Hz(VD)
Resolution	500 Lines	
S/N Ratio	More Than 50dB	
Sensitivity (1/3 Output)	0.5Lux (F1.2)	
Video Output Signal	1Vp-p Composite (75ohm)	
Auto Gain Control	On / Off	
Back Light Compensation	On / Off	
Electric Shutte	1/60 ~ 1/100,000	1/50 ~ 1/100,000
White Balance	ATW / AWB	
Power Source	DC12 V / AC24V	
Power Consumption	3.5 W	
Operation Temp	-10°C ~ 50°C (Humidity: 0%RH~60%RH)	
Storage Temp	-20°C ~ 60°C (Humidity: 0%RH~85%RH)	
Dimension	ø160 x 106	
Weight	1.2kg	

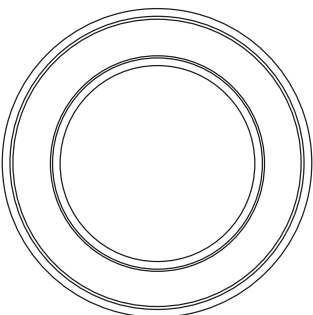
Series Model

f=2.6~6.0mm / F.1.4	LVC-DV321EC/DV323EC
f=4.0~9.0mm / F.1.6	LVC-DV341EC/DV343EC

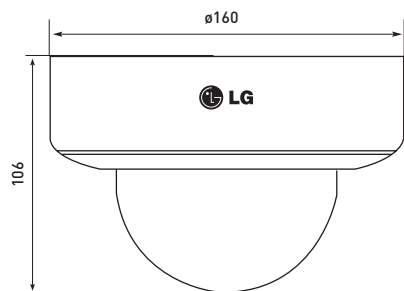
Feature

- Digital Signal Processing (DSP)
- Day and Night Function (IR Cut Filter)
- Optical x2 varifocal lens
- 500 TV lines of horizontal resolution
- High sensitivity with a minimum scene illumination of 0.5 lux (F1.2)
- BLC covers various light conditions
- Auto White Balance
- Excellent signal-to-noise ratio of 50dB
- Internal / Line Lock (External)
- Built in varifocal and DC(Auto) iris lens (f=2.6~6.0mm / F1.4 : LVC-DV321EC/DV323EC) (f=4.0~9.0mm / F1.6 : LVC-DV341EC/DV343EC)
- Weather Proof : IP66 Rating
- Power Supply : Automatically switchable between DC12V and AC24V
- Dome Cover : Vandal -Proof

Rear View



Dimension (unit : mm)



Vari-focal Dome Camera

LVC-DV100HM (NTSC) LVC-DV100HP (PAL)



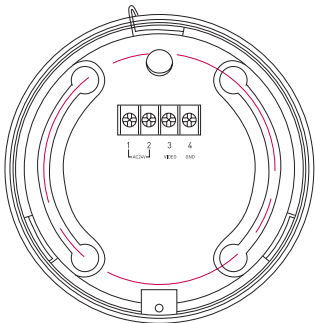
Specifications

Model	LVC-DV100HM	LVC-DV100HP
Signal System	NTSC	PAL
Total / Effective Pixels	410K / 380K	470K / 440K
Pick-up Device	1/3-Inch Interline Color CCD (Super HAD)	
Lens	f=2.6~6.0mm / F1.4, f=4.0~9.0mm / F1.6, DC IRIS	
Angular Field of View	125.0°~60.0° (f=2.6~6.0mm), 92.6°~39.4° (f=4.0~9.0mm)	
Focus	Manual	
Signal Process	Digital Signal Process	
Scanning System	2:1 Interlace	
Sync. System	Internal	
Scanning Frequency	59.94HZ(VD)	50HZ(VD)
Resolution	480 TV Lines	
S/N Ratio	More than 48dB	
Standard Illuminance	2000 Lux (3200°K)	
Sensitivity (1/3 Output)	0.5 Lux (F1.2)	
Video Output Signal	1Vp-p Composite (75Ω)	
Gain Control	Auto	
Shutter Speed	Electronic Shutter(1/60~1/10000)	Electronic Shutter(1/50~1/10000)
White Balance	Auto	
Back Light	Compensation On/Off, Auto	
Power Source	DC12V	
Power Consumption	2.3W	
Operation Temperature	-10°C~50°C (Humidity:0%RH~60%RH)	
Storage Temperature	-20°C~60°C (Humidity:0%RH~85%RH)	
Weight	251g	
Dimensions	ø121.5mm (Dia)x91mm(H), Dome Size=ø100	

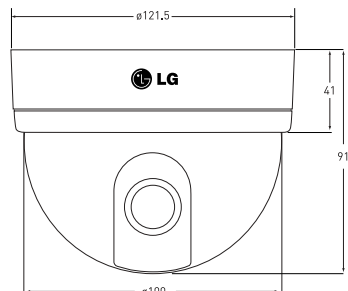
Feature

- Digital Signal Processing (DSP)
- Optical x2 varifocal lens
- 480 TV lines of horizontal resolution
- High sensitivity with a minimum scene illumination of 0.5 lux (F1.2)
- BLC covers various light conditions
- Auto White Balance
- Internal synchronization
- Built in varifocal and DC(Auto) iris lens (f=2.6~6.0mm / F1.4 : LVC-DV101) (f=4.0~9.0mm / F1.6 : LVC-DV100)

Rear View



Dimension (unit : mm)



Vari-focal Dome Camera

LVC-DV110HM (NTSC)
LVC-DV110HP (PAL)



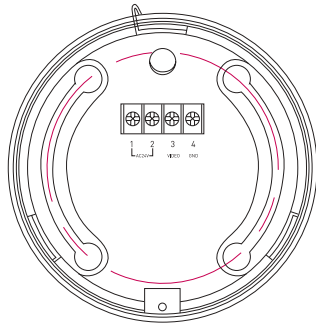
Feature

- Digital Signal Processing (DSP)
- Optical x2 varifocal lens
- 480 TV lines of horizontal resolution
- High sensitivity with a minimum scene illumination of 0.5 lux (F1.2)
- BLC covers various light conditions
- Auto White Balance
- Excellent signal-to-noise ratio of 48dB
- External synchronization with line-lock
- Built in varifocal and DC(Auto) iris lens (f=2.6~6.0mm / F1.4 : LVC-DV111) (f=4.0~9.0mm / F1.6 : LVC-DV110)

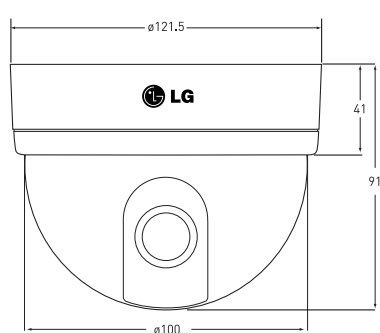
Specifications

Model	LVC-DV110HM	LVC-DV110HP
Signal System	NTSC	PAL
Total / Effective Pixels	410K / 380K	470K / 440K
Pick-up Device	1/3-Inch Interline Color CCD (Super HAD)	
Lens	f=2.6~6.0mm / F1.4, f=4.0~9.0mm / F1.6, DC IRIS	
Angular Field of View	125.0°~60.0° (f=2.6~6.0mm), 92.6°~39.4° (f=4.0~9.0mm)	
Focus	Manual	
Signal Process	Digital Signal Process	
Scanning System	2:1 Interlace	
Sync. System	Line Lock	
Scanning Frequency	59.94HZ(VD)	50HZ(VD)
Resolution	480 TV Lines	
S/N Ratio	More than 48dB	
Standard Illuminance	2000 Lux (3200°K)	
Sensitivity (1/3 Output)	0.5 Lux (F1.2)	
Video Output Signal	1Vp-p Composite (75Ω)	
Gain Control	Auto	
Shutter Speed	Electronic Shutter(1/60~1/10000)	Electronic Shutter(1/50~1/10000)
White Balance	Auto	
Back Light	Compensation On/Off, Auto	
Power Source	AC24V	
Power Consumption	3W	
Operation Temperature	-10°C~50°C (Humidity:0%RH~60%RH)	
Storage Temperature	-20°C~60°C (Humidity:0%RH~85%RH)	
Weight	273g	
Dimensions	ø121.5mm (Dia)x91mm(H), Dome Size=ø100	

Rear View



Dimension (unit : mm)



Dome Camera

LVC-D200HM (NTSC)
LVC-D200HP (PAL)



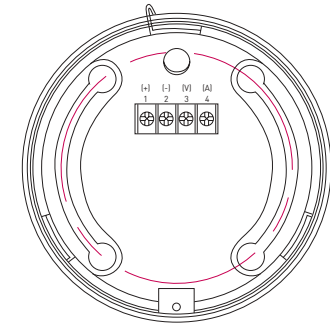
Feature

- Digital Signal Processing (DSP)
- 480 TV lines of horizontal resolution
- High sensitivity with a minimum scene illumination of 0.5 lux(F1.2)
- BLC covers various light conditions
- Auto White Balance
- Internal synchronization

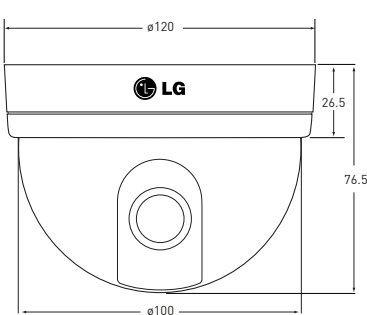
Specifications

Model	LVC-D200HM	LVC-D200HP
Signal System	NTSC	PAL
Total / Effective Pixels	410K / 380K	470K / 440K
Pick-up Device	1/3-Inch Interline Color CCD (Super HAD)	
Lens	Fixed Lens (f=3.0mm, 3.7mm, 6.0mm, 8.0mm, 12mm)	
Angular Field of View	115° (f=3.0mm), 92° (f=3.7mm), 54° (f=6mm), 38.6° (f=8mm), 25.7° (f=12mm)	
Focus	Manual	
Signal Process	Digital Signal Process	
Scanning System	2:1 Interlace	
Sync. System	Internal	
Scanning Frequency	59.94HZ(VD)	50HZ(VD)
Resolution	480 TV Lines	
S/N Ratio	More than 48dB	
Standard Illuminance	2000Lux (3200°K)	
Sensitivity (1/3 Output)	0.5 Lux (F1.2)	
Video Output Signal	1Vp-p Composite (75Ω)	
Gain Control	Auto	
Shutter Speed	Electronic Shutter(1/60~1/10000)	Electronic Shutter(1/50~1/10000)
White Balance	Auto	
Back Light	Compensation On/Off, Auto	
Power Source	DC12V	
Power Consumption	2.3W	
Operation Temperature	-10°C~50°C (Humidity:0%RH~60%RH)	
Storage Temperature	-20°C~60°C (Humidity:0%RH~85%RH)	
Weight	182g	
Dimensions	ø120mm (Dia)x76.5mm (H), Dome Size=ø100	

Rear View



Dimension (unit : mm)



Dome Camera

LVC-D210HM (NTSC)
LVC-D210HP (PAL)



Specifications

Model	LVC-D210HM	LVC-D210HP
Signal System	NTSC	PAL
Total / Effective Pixels	410K / 380K	470K / 440K
Pick-up Device	1/3-Inch Interline Color CCD (Super HAD)	
Lens	Fixed Lens (f=3.0mm, 3.7mm, 6.0mm, 8.0mm, 12mm)	
Angular Field of View	115° (f=3.0mm), 92° (f=3.7mm), 54° (f=6mm), 38.6° (f=8mm), 25.7° (f=12mm)	
Focus	Manual	
Signal Process	Digital Signal Process	
Scanning System	2:1 Interlace	
Sync. System	Line Lock	
Scanning Frequency	59.94HZ(VD)	50HZ(VD)
Resolution	480 TV Lines	
S/N Ratio	More than 48dB	
Standard Illuminance	2000Lux (3200°K)	
Sensitivity (1/3 Output)	0.5 Lux (F1.2)	
Video Output Signal	1Vp-p Composite (75Ω)	
Gain Control	Auto	
Shutter Speed	Electronic Shutter(1/60~1/10000)	Electronic Shutter(1/50~1/10000)
White Balance	Auto	
Back Light	Compensation On/Off, Auto	
Power Source	AC24V	
Power Consumption	3W	
Operation Temperature	-10°C~50°C (Humidity:0%RH~60%RH)	
Storage Temperature	-20°C~60°C (Humidity:0%RH~85%RH)	
Weight	247g	
Dimensions	ø121.5mm (Dia)x91mm (H), Dome Size=ø100	

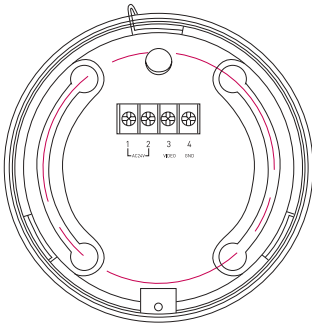
Series Model

f=3.0mm / F.2.0	LVC-D210
f=6.0mm / F.1.8	LVC-D211
f=12.0mm / F.2.5	LVC-D212
f=8.0mm / F.2.5	LVC-D213
f=3.7mm / F.2.0	LVC-D214

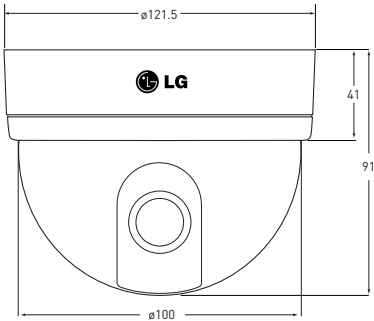
Feature

- Digital Signal Processing (DSP)
- 1/3" Super HAD CCD
410,000 pixels (NTSC)
470,000 pixels (PAL)
- 480 TV lines of horizontal resolution
- High sensitivity with a minimum scene illumination of 0.5 lux (F1.2)
- BLC covers various light conditions
- Auto White Balance
- Excellent signal-to-noise ratio of 48dB
- External synchronization with line-lock

Rear View



Dimension (unit : mm)



Time Lapse VCR

LV-TL1960M (NTSC)
LV-TL1960P (PAL)



Specifications

Model	LV-TL1960M	LV-TL1960P
System	NTSC	PAL
Deck	D35 Deck (LG Product Deck)	
Drum	NTSC 4 CH	PAL 4 CH
Record Speed	2,12,24,48,72,96,120,168, 240,480,960 Hr on a T120 tape	3,12,24,48,72,96,120,168, 240,480,960 Hr on a E180 tape
Playback Speed	2,12,24,48,72,96,120,168,240,480,960	3,12,24,48,72,96,120,168,240,480,960
	2,12,24 Hr with Audio Playback	3,12,24 Hr with Audio Playback
Video Head	D/A 4 Head (A:49/49,B:49/49)	
Audio Head	Stationary	
F.E Head	Full Erase Head	
Program	8 events, Monday-Friday, Saturday-Sunday	
Back-Up	30 DAYS	
OSD Language	Eng, Fra, Ger, Ita, Spa, Pol, Jap	
Jog Shuttle	Yes	
Power off through	Yes	
High Speed Rewind	65 Sec	
RS-232C PC Control	Option (D-SUB 9 pin)	
Monitor Out	Option (BNC Jack Type)	
Horizontal Resolution	More than 300 TV Lines (B/W)	More than 320 TV Lines (B/W)
	More than 280 TV Lines (Color)	More than 300 TV Lines (Color)
Operation Temperature	5°C~35°C	
Operation Humidity	35%RH~80%RH	
Supplied Voltage	AC 100V~240V, 50Hz/60Hz	
Power Consumption	15W	
Dimension (W x Hx D)	360.4 x 92.5 x 266.5mm	
Weight	3.8kg	

Series Model

Time Lapse	24 hours	LV-TL124M (NTSC) LV-TL124P (PAL)
	480 hours	LV-TL1480M (NTSC) LV-TL1480P (PAL)

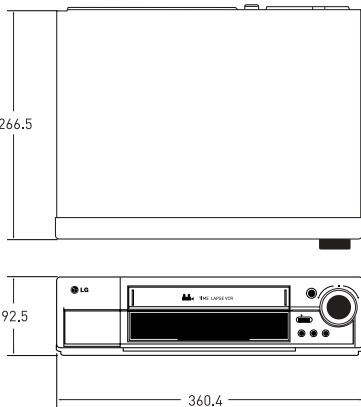
Feature

- 2/3,12,24,48,72,96,120,168,240, 480,960 Hours recording
- Quasi V.Sync : On/Off in menu
- Various kinds of recording features (Alarm REC, Series REC, Repeat REC, 1 shot REC and Timer REC)
- Multi OSD languages
- Alarm Index, Power off through function
- Move of the position of time
- RS-232C PC control (Optional)
- High speed rewind : 65 sec
- Back-up time : 30 days
- Remote controller (Optional)

Rear View



Dimension (unit : mm)



Time Lapse VCR

TL-AT130M (NTSC)
TL-AT130P (PAL)



Specifications

Model	TL-AT130M	TL-AT130P
System	NTSC	PAL
Deck	D35 Deck (LG Product Deck)	
Drum	NTSC 4 CH	PAL 4 CH
Record Speed	6,18,30,72,96,120,168,240, 480,960 Hr on a T120 tape	6,18,30,72,96,120,168,240, 480,960 Hr on a E180 tape
Playback Speed	6,18,30,72,96,120,168,240,480,960	
	6,18,30 Hr with Audio Playback	
Video Head	D/A 4 Head (A:26/26,B:26/26)	D/A 4 Head (A:35/35,B:35/35)
Audio Head	Stationary	
F.E Head	Full Erase Head	
Program	8 events, Monday-Friday, Saturday-Sunday	
Back-Up	30 DAYS	
OSD Language	Eng, Fra, Ger, Ita, Spa, Pol, Jap	
Jog Shuttle	Yes	
Power off through	Yes	
High Speed Rewind	65 Sec	
RS232C PC Control	Option (D-SUB 9 pin)	
Monitor Out	Option (BNC Jack Type)	
Horizontal Resolution	More than 300 TV Lines (B/W)	More than 320 TV Lines (B/W)
	More than 280 TV Lines (Color)	More than 300 TV Lines (Color)
Operation Temperature	5°C~35°C	
Operation Humidity	35%RH~80%RH	
Supplied Voltage	AC 100V~240V, 50Hz/60Hz	
Power Consumption	15W	
Dimension (W x Hx D)	360.4 x 92.5 x 266.5mm	
Weight	3.8kg	

Series Model

Real Time 30 hours	TL-AR130M (NTSC) TL-AR130P (PAL)
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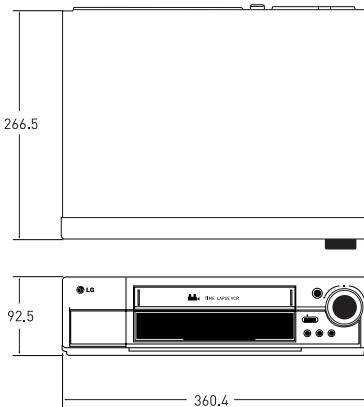
Feature

- Dual Recording
Time Lapse 6,18,30,72,96,120,168,240,480,960 Hours
Real Time 30 Hours
- Quasi V.Sync : On/Off in menu
- Various kinds of recording features (Alarm REC, Series REC, Repeat REC, 1 shot REC and Timer REC)
- Multi OSD languages
- Alarm Index, Power off through function
- Move of the position of time
- RS-232C PC control (Optional)
- High speed rewind : 65 sec
- Back-up time : 30 days
- Remote controller (Optional)

Rear View



Dimension (unit : mm)



Digital Video Recorder
(PC-Based)

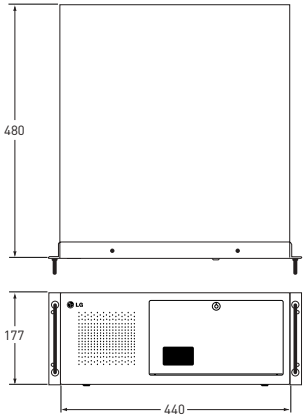
LDV-P303 (8 channel)
LDV-P304 (16 channel)



Specifications

Model		LDV-P303	LDV-P304	
System	OS	Win 2000 Pro	Win 2000 Pro	
	CPU	Tualitin Celeron 2.0 GHz	P4-1.8 GHz	
	Main Memory	256MB DDR	256MB DDR	
	Hard Disk	80GB	80GB	
	VGA	AGP 64MB	AGP 64MB	
Video In / Out	Video Input Channel	8	16	
	Video Loop Output	8	16	
	Monitor Output	1RCA	1RCA	
	VGA Output	1	1	
Alarm	Sensor Input	8	16	
	Control Output	8	16	
Audio	Audio Input	4	4	
	Audio Output	1	1	
Other I/F	Network	RJ-45	RJ-45	
	Pan / Tilt	RS-485 Built-in	RS-485 Built-in	
Image	Signal Format	NTSC / PAL	NTSC / PAL	
	Compression	MJPEG	MJPEG	
	Compressed size	3~4 Kbytes Avg.	3~4 Kbytes Avg.	
	Display Mode	1, 4, 8 Division	1, 4, 9,16 Division	
	Image Resolution	720x480 [720x576]	720x480 [720x576]	
		720x240 [720x288]	720x240 [720x288]	
		360x240 [360x288]	360x240 [360x288]	
	Display Speed	NTSC	240 FPS	480 FPS
		PAL	200 FPS	400 FPS
	Recording Speed	NTSC	120 FPS@360x240	240 FPS@360x240
		PAL	100 FPS@360x288	200 FPS@360x288
	Recording Mode	Event Motion(alarm), continuous, Intensive, schedule(camera / data / time)		
Software Feature	Remote Control	Remote View / Client / Backup, Watermark, Web Viewer	Remote View / Client / Backup, Watermark, Web Viewer	
	Motion Detection	5 regions / channel Sensitivity adjustable	5 regions / channel Sensitivity adjustable	
	Pre-alram recording	1 min.	1 min.	
	Search Mode	index(sensor, motion), Panorama	index(sensor, motion), Panorama	
	User level	Up to 256 users defined	Up to 256 users defined	
Storage	HDD Quantity	Up to 4 HDDs expandable	Up to 4 HDDs expandable	
	Backup	CD-RW, Floppy, DVD-RAM	CD-RW, Floppy, DVD-RAM	
Network	Remote Connection	PSTN, ISDN and LAN	PSTN, ISDN and LAN	
Dimension	[WxHxD]	440x177x480	440x177x480	

Dimension (unit : mm)



Digital Video Recorder
(PC-Based)

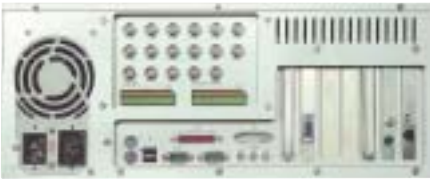
LDV-P203 (9 channel)
LDV-P204 (16 channel)



Feature

- Recording schedule by speed, camera and time
- Real time display on 9 or 16 channel mode
- Adjustment image (brightness and contrast)
- Various recording mode : continuous, event, schedule
- It simultaneously records and searches a channel with audio
- Motion-Detected channel Pop-up
- Automatically controls(On/Off) light and siren
- Pre-Alarm : 5 Sec.
- Motion detection : 5 regions / sensitivity adjustable
- Schedule, index and panorama search
- Image filtering and zooming function
- Remote control PTZ camera available
- Pan/Tilt interface : RS485 converter
- Watermarking
- Up to 7 users defined
- Remote search and image transmission through PSTN, ISDN and LAN
- Available remote control : Client View, Backup View, Watermark View
- Password protection

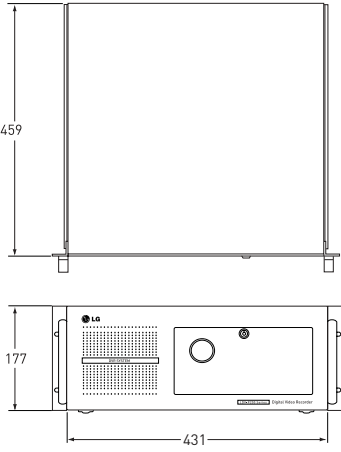
Rear View



Specifications

Model		LDV-P203	LDV-P204	
System	OS	Win 2000 Pro	Win 2000 Pro	
	CPU	P4~2.4GHz	P4~2.4GHz	
	Main Memory	128MB DDR	128MB DDR	
	Hard Disk	80GB	80GB	
	VGA	AGP 32MB	AGP 32MB	
Video In / Out	Video Input Channel	9	16	
	Video Loop Output	-	-	
	Monitor Output	1RCA	2RCA	
	VGA Output	1	1	
Alarm	Sensor Input	8	8	
	Control Output	8	8	
Audio	Audio Input	8	8	
	Audio Output	1	1	
Other I/F	Network	RJ-45	RJ-45	
	Pan / Tilt	RS-485 Converter	RS-485 Converter	
Image	Signal Format		NTSC / PAL	NTSC / PAL
	Compression		MJPEG	MJPEG
	Compressed size		3~8 Kbytes Avg.	3~8 Kbytes Avg.
	Display Mode		1, 4, 9 Division	1, 4, 9,16 Division
	Image Resolution		640x480 (4CH)	640x480 (4CH)
			320x240	320x240
	Display	NTSC	270 FPS	480 FPS
	Speed	PAL	225 FPS	400 FPS
	Recording	NTSC	270 FPS	Max 240 FPS / 160 FPS
	Speed	PAL	225 FPS	Max 200 FPS / 150 FPS
	Recording Mode	Continuous, Sensor(Alarm), Motion Datection, Schedule		Continuous, Sensor(Alarm), Motion Datection, Schedule
Software Feature	Remote Control	Remote View / Client / Backup, Watermark	Remote View / Client / Backup, Watermark	
	Motion Detection	5 regions / channel Sensitivity adjustable	5 regions / channel Sensitivity adjustable	
	Pre-alarm recording	5 sec	5 sec	
	Search Mode	Panorama, Normal	Panorama, Normal	
	User level	Up to 7 users defined	Up to 7 users defined	
Storage	HDD Quantity	Up to 8 HDDs expandable	Up to 8 HDDs expandable	
	Backup	CD-RW, Floppy, DVD-RAM	CD-RW, Floppy, DVD-RAM	
Network	Remote Connection	PSTN, ISDN and LAN	PSTN, ISDN and LAN	
Dimension	[WxHxD]	431x177x459	431x177x459	

Dimension (unit : mm)



Digital Video Recorder
(Stand alone)

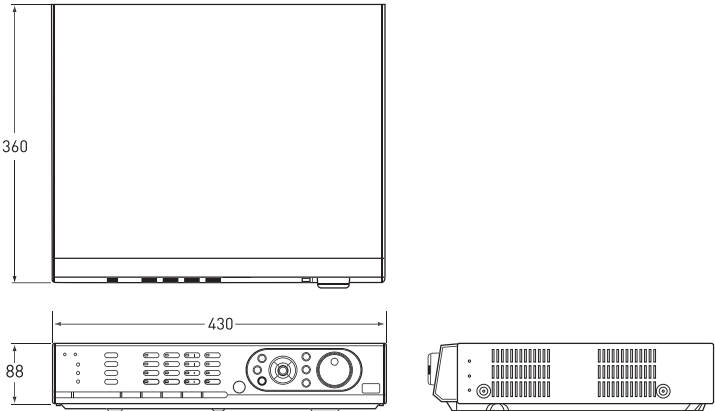
LDV-S302 (4 channel)



Specifications

Model			LDV-S302
Video	Input		4
	Output	Loop Through	4
		TV Out	1
		S-Video	1
		VGA	1
		Spot	1
Audio	Input		4
	Output		1(PB/Spot)
Alarm	Input		4
	Output		4
	Pre-Alarm Recording		Up to 15min
Recording	Image Rate (/Sec)	NTSC	Up to 120 IPS @ 352x240 Up to 60 IPS @ 704x240 Up to 30 IPS @ 704x480
		PAL	Up to 100 IPS @ 352x288 Up to 50 IPS @ 704x288 Up to 25 IPS @ 704x576
Display	Image Rate (/Sec)	NTSC	120 IPS (Real time per each channel)
		PAL	100 IPS (Real time per each channel)
Interanal HDD	Max Capacity		800GB (Up to 2 HDDs)
Backup	Backup Interface		USB 2.0, x 3 Network
	Supportable Devices		Memory Stick CD-RW, HDD
Others	PTZ Control Interface		RS-485 / RS-422, x 2
	Serial Interface		RS-232C, x 2 (D-SUB9)
	Network Connection		Ethernet 10/100M (RJ-45), PSTN
Security	Password Protection		Yes
	Image Authentication		Yes
Power			AC Free 100~240V, 50/60Hz
Dimension (WxDxH mm)			430 x 360 x 88

Dimension (unit : mm)



Digital Video Recorder
(Stand alone)

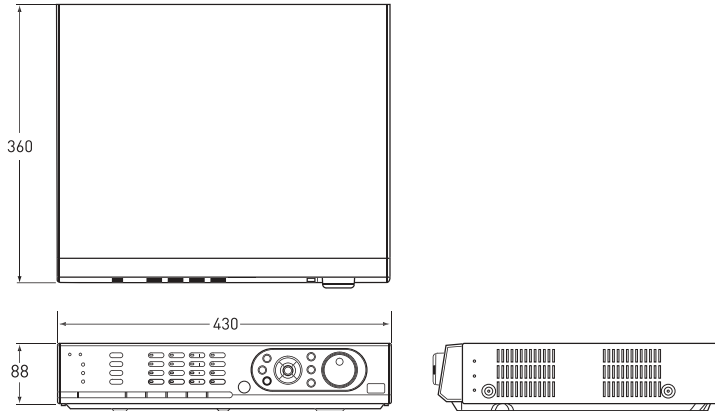
LDV-S303 (9 channel)



Specifications

Model			LDV-S303
Video	Input		9
	Output	Loop Through	9
		TV Out	1
		Extra TV Out	1
		S-Video	1
		VGA	1
		Spot	1
		Pre-Alarm Recording	
Audio	Input		4
	Output		1(PB/Spot)
Alarm	Input		8
	Output		4
	Pre-Alarm Recording		Up to 15min
Recording	Image Rate (/Sec)	NTSC	Up to 270 IPS @ 352x240 Up to 130 IPS @ 704x240 Up to 60 IPS @ 704x480
		PAL	Up to 220 IPS @ 352x288 Up to 110 IPS @ 704x288 Up to 50 IPS @ 704x576
Display	Image Rate (/Sec)	NTSC	270 IPS (Real time per each channel)
		PAL	220 IPS (Real time per each channel)
Interanl HDD	Max Capacity		1.6TB (Up to 4 HDDs)
Backup	Backup Interface		USB 2.0, x 3 Network
	Supportable Devices		Memory Stick CD-RW, HDD
Others	PTZ Control Interface		RS-485 / RS-422, x 2
	Serial Interface		RS-232C, x 2 (D-SUB9)
	Network Connection		Ethernet 10/100M (RJ-45), PSTN
Security	Password Protection		Yes
	Image Authentication		Yes
Power			AC Free 100~240V, 50/60Hz
Dimension (WxDxH mm)			430 x 360 x 88

Dimension (unit : mm)



Feature

- Small File Sizes by MPEG-4 Compression
- Various Recording Resolution (704x480, 704x240, 352x240)
- Up to 120IPS @352 X 240 Recording
- Up to 800GB Internal Storage (Expandable if new high capacity HDD is launched)
- Default USB Mouse, IR Remote Controller
- User-Friendly GUI
- 4 Audio Channels
- Three USB 2.0 Ports
- Various Monitor Output
- Stable Embedded Linux Operating System
- File System Recovery of HDD After Power recovery by Journaling File System
- Multi-Languages Selectable
- Alarm Notification by e-Mail
- Pre-Alarm Recording
- Time and Date Sync from NTP Server
- Setup Configuration Export/Import
- Easy System S/W Update by USB Memory Stick and Network
- Multiplex (Simultaneous Live display, Recording, Search, Network, Back-up)
- Image Rate & Quality Adjustment per Individual Camera

Rear View



Feature

- Small File Sizes by MPEG-4 Compression
- Various Recording resolution (704x480, 704x240, 352x240)
- Up to 270IPS @352 X 240 Recording
- Up to 1.6TB Internal Storage (Expandable if new high capacity HDD is launched)
- Default USB Mouse, IR Remote Controller
- User-Friendly GUI
- 4 Audio Channels
- Three USB 2.0 Port
- Various Monitor Output
- Stable Embedded Linux Operating System
- File System Recovery of HDD After Power recovery by Journaling File System
- Multi-Languages Selectable
- Alarm Notification by e-Mail
- Pre-Alarm Recording
- Time and Date Sync from NTP Server
- Setup Configuration Export/Import
- Easy System S/W Update by USB Memory Stick and Network
- Multiplex (Simultaneous Live display, Recording, Search, Network, Back-up)
- Image Rate & Quality Adjustment per Individual Camera

Rear View



New



Feature

- Small File Sizes by MPEG-4 Compression
- Various Recording resolution (704x480, 704x240, 352x240)
- Up to 480IPS @352 X 240 Recording
- Up to 1.6TB Internal Storage (Expandable if new high capacity HDD is launched)
- Default USB Mouse, IR Remote Controller
- User-Friendly GUI
- 8 Audio Channels
- Three USB 2.0 Port
- Various Monitor Output
- Stable Embedded Linux Operating System
- File System Recovery of HDD After Power recovery by Journaling File System
- Multi-Languages Selectable
- Alarm Notification by e-Mail
- Pre-Alarm Recording
- Time and Date Sync from NTP Server
- Setup Configuration Export/Import
- Easy System S/W Update by USB Memory Stick and Network
- Multiplex (Simultaneous Live display, Recording, Search, Network, Back-up)
- Image Rate & Quality Adjustment per Individual Camera

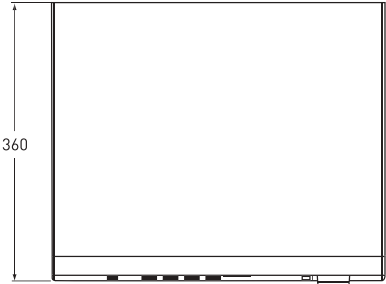
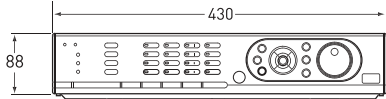
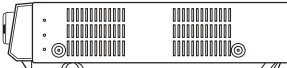
Rear View

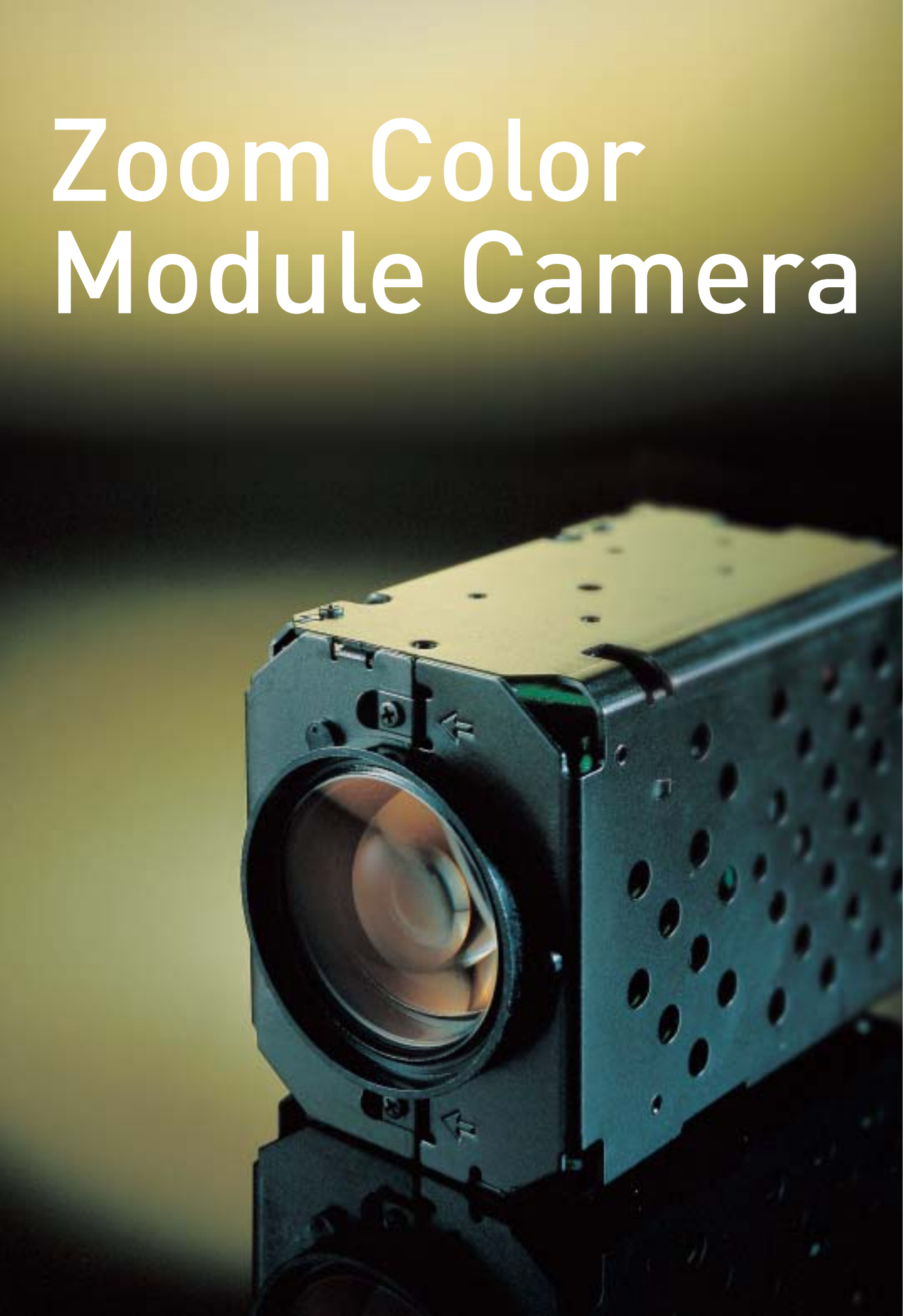


Specifications

Model			LDV-S304		
Video	Input		16		
	Output	Loop Through	16		
		TV Out	1		
		Extra TV Out	1		
		S-Video	1		
		VGA	1		
		Spot	1		
Audio	Input		8		
	Output		1(PB / Spot)		
Alarm	Input		16		
	Output		8		
	Pre-Alarm Recording		Up to 15 min		
Recording	Image Rate (/Sec)	NTSC	Up to 480 IPS @ 352x240 Up to 240 IPS @ 704x240 Up to 120 IPS @ 704x480		
		PAL	Up to 400 IPS @ 352x288 Up to 200 IPS @ 704x288 Up to 100 IPS @ 704x576		
	Image Rate (/Sec)	NTSC	480 IPS (Real time per each channel)		
		PAL	400 IPS (Real time per each channel)		
Interanl HDD	Max Capacity		1.6TB (Up to 4 HDDs)		
Backup	Backup Interface		USB 2.0, x 3 Network		
	Supportable Devices		Memory Stick CD-RW, HDD		
Others	PTZ Control Interface		RS-485 / RS-422, x 2		
	Serial Interface		RS-232C, x2 (D-SUB9)		
	Network Connection		Ethernet 10/100M (RJ-45), PSTN		
Security	Password Protection		Yes		
	Image Authentication		Yes		
Power			AC Free 100~240V, 50/60Hz		
Dimension (WxDxH mm)			430 x 360 x 88		

Dimension (unit : mm)



Zoom Color Module Camera

Comparison Chart by Model

Spec Model	Optical Zoom	Digital Zoom	CCD	Total Pixels	Resolution	Min. illuminance	Day and Night	WDR	DSS	Privacy Zone	Connector Type	Camera Control	Sync	Voltage
(NTSC)														
LVC-M500HM	x27	X12	Super 1/4	410K	500 Lines	1Lux	X	X	X	0	9Pin FFC		Internal/External	DC12V
LVC-M503HM	x27	x2	EX View1/4	410K	500 Lines	0.01Lux	X	0 (Dual)	0	0	9Pin FFC		Internal/External	DC12V
LVC-M510HM	x27	X12	Super 1/4	410K	500 Lines	0.5Lux	0	X	X	0	9Pin FFC		Internal/External	DC12V
LVC-M513HM	x27	x2	EX View1/4	410K	500 Lines	0.005Lux	0	0 (Dual)	0	0	9Pin FFC		Internal/External	DC12V
LVC-M300HM	x27	x10	Super 1/4	410K	480 Lines	1Lux	X	X	X	X	9Pin FFC		Internal/External	DC12V
LVC-M303HM	x27	x10	Super 1/4	410K	480 Lines	0.01Lux	X	0	0	X	9Pin FFC		Internal/External	DC12V
LVC-M310HM	x27	x10	Super 1/4	410K	480 Lines	0.5Lux	0	X	X	X	9Pin FFC		Internal/External	DC12V
LVC-M313HM	x27	x10	Super 1/4	410K	480 Lines	0.005Lux	0	0	0	X	9Pin FFC		Internal/External	DC12V
LVC-A640HM	X16	X8	Super 1/4	410K	480 Lines	1Lux	X	X	X	X	10Pin Harness		Internal/External	DC12V
LVC-A800HM	X16	X8	Super 1/4	410K	480 Lines	1Lux	X	X	X	X	9Pin FFC		Internal/External	DC12V
(PAL)														
LVC-M500HP	x27	X12	Super 1/4	470K	500 Lines	1Lux	X	X	X	0	9Pin FFC		Internal/External	DC12V
LVC-M503HP	x27	x2	EX View1/4	470K	500 Lines	0.01Lux	X	0 (Dual)	0	0	9Pin FFC		Internal/External	DC12V
LVC-M510HP	x27	X12	Super 1/4	470K	500 Lines	0.5Lux	0	X	X	0	9Pin FFC		Internal/External	DC12V
LVC-M513HP	x27	x2	EX View1/4	470K	500 Lines	0.005Lux	0	0 (Dual)	0	0	9Pin FFC		Internal/External	DC12V
LVC-M300HP	x27	x10	Super 1/4	470K	480 Lines	1Lux	X	X	X	X	9Pin FFC		Internal/External	DC12V
LVC-M303HP	x27	x10	Super 1/4	470K	480 Lines	0.01Lux	X	0	0	X	9Pin FFC		Internal/External	DC12V
LVC-M310HP	x27	x10	Super 1/4	470K	480 Lines	0.5Lux	0	X	X	X	9Pin FFC		Internal/External	DC12V
LVC-M313HP	x27	x10	Super 1/4	470K	480 Lines	0.005Lux	0	0	0	X	9Pin FFC		Internal/External	DC12V
LVC-A640HP	X16	X8	Super 1/4	470K	480 Lines	1Lux	X	X	X	X	10Pin Harness		Internal/External	DC12V
LVC-A800HP	X16	X8	Super 1/4	470K	480 Lines	1Lux	X	X	X	X	9Pin FFC		Internal/External	DC12V

Progressive Scan Camera

LVC-MP100

New



Feature

- 1/3" progressive scan RGB primary color ccd camera
- Built-in X16 zoom lens(X10 Digital Zoom)
- Variable Proressive scan output (XGA,SVGA,VGA)
- RGB/S-VIDEO/COMPOSITE VIDEO OUTPUTS
- 25 full frames RGB video output per second
- Digital interface usb(2.0) and RS-232C ports.
- Camera control using Remote Controller and Mouse
- Image Max16(1024X768) save/recall
- Image Rotation (90°/180°/270°/360°)
- Divide image Full,Half,1/4,1/16,PIP
- 4 Mode Preset Save/Run
- Mirror, Flip, Edge, Embossing, Negative, Freeze, Text/Image Mode Color/BW, Image Shift, Drawing Rect./Free Line, OSD(English, Korean,Chinese)

Interface

1) 8pin Connector

No	Pin Name	Function
1	M_CLK	Mouse
2	M_DAT	Mouse
3	GND	
4	Lamp Select	
5	GND	
6	AD_Key1	AD_Key
7	AD_Key2	
8	AD_Key3	

3) 14pin Connector

No	Pin Name	Function
1	B_OUT	VGA Out
2	GND	
3	G_OUT	
4	GND	
5	R_OUT	
6	GND	
7	VS_OUT	
8	HS_OUT	
9	C/S	Composite/S-video
10	NTSC/PAL	NTSC/PAL
11	VGA/TV	Monitor/TV
12	GND	
13	Input Select	
14	RMC	Remote Controller

2) 12pin Connector

No	Pin Name	Function
1	+12V	
2	+12V	
3	GND	
4	CVBS/C	
5	GND	
6	YOUT	
7	GND	
8	GND	
9	232C_Txd	RS232C
10	232C_Txd	
11	GND	
12	GND	

4) Accessories

1) "8pin/12pin/14pin" Interface Cable

2) USB 2.0 Cable (A-type & Mini B-type : 1,000mm)

Specifications

Model	LVC-MP100
Total Pixels No	1077(H) x788(V) 850K
Effective Pixels No	1034(H) x 779(V) 800K
Active Pixcels No.	1024(H) x 768(V) 790K
Pick-up Device	1/3" RGB primary color IT CCD
Lens	X16 Zoom (F1.45 (W) ,F3.98(T) f =5.8 ~93.0 mm), Video AF
Signal Process	Digital Signal Process
Progressive Scan	Progressive 792 Lines Scan(Analog RGB Output)
Sync System	Internal
Progressive Resolution	More Than RGB 600 TV Lines
Horizontal Resolution	More Than 420 TV Lines
Optimal Illuminance	1,500 ~ 2,000 Lux
Progressive Video Output	XGA (1024x768)/SVGA (800x600)/VGA (640x480)
Video Output Signal	1Vp-p Composite (75ohm) Terminated/S-Vedio
Minimum Shooting Distance	WIDE (0.01m), TELE (0.1m)
Zoom/Focus Preset	4 Mode Set / Run
USB	Win2000, XP,Win98, Windows ME XGA(1024X768) Mode : Max 10 Frame/sec Quarter(512X348) Mode : Max 25 Frame/sec BMP/JPG File Sav
Mouse Control	Left Button: Select, Right Button: Menu On/Off,Drawing
OSD[On Screen Display]	Function / Zoom MAG / Initial Title
OSD Language	English / Chinese / Korean
Camera Control	Mouse
Special Function	Initial Title : 17 Characters and Logo Brightness : 0 ~ 255 Mode : Image/Text Mirror : ON / OFF (Left/Right) Flip : ON / OFF (Top/Bottom) Color : ON / OFF Negative : ON / OFF Edge : ON / OFF Embossing : ON / OFF Rotation : 0°, 90°, 180°, 270° Shift : Max 0~512 Mouse Scrolling (Half Display Only) Image Display : Full / Half / PIP / 2x2(4pages) / 4x4 Memory Control : Image Save / Recall (Max 16 image)
Shutter Speed	1/ 25(Progressive), 1/60(NTSC), 1/50(PAL)
Digital Zoom Ratio	Basic X 10 (Total Zoom Ratio X160)
Power Source	DC 12 ±2 V
Power Consumption	Max 8.4 [W]
Operation Temperature	-10°C ~ 50°C , 0 % RH ~ 60 % RH D32
Weight	287.5gr
Dimension[H x V x D	54.6 x 65.6 x 94.6mm

LG Digital Security System_44

LG Digital Security System_45

x27 D&N Camera

LVC-M513HM (NTSC)
LVC-M513HP (PAL)

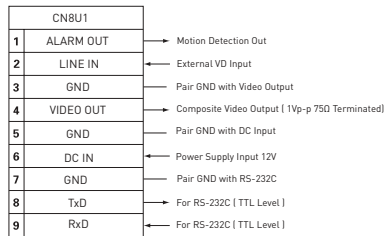


Feature

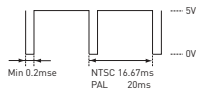
- Built-in x27 zoom lens
- Day and Night function (IR Cut Filter)
- Digital Slow Shutter
- Wide Dynamic Range (Dual shutter)
- 8 Area active programmable privacy zone masking
- Min. illumination of 0 lux at night mode (IR ON)
- 500 TV lines of horizontal resolution
- Motion Detection, Auto Focus, Auto Iris
- Five alternative White Balance control mode
- Freezer, Mirror, V flip, Image Rotation

Interface

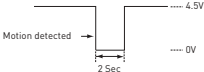
1) Connecting Condition
[9 Pin FFC Connector ; Maker Elco 1.0mm Pitch , Upper Contact]



2) Line In Pulse Condition.



3) Alarm Out Pulse Condition.



4) Accessory
: 9 Pin Flat Cable (120mm)

Specifications

Model	LVC-M513HM	LVC-M513HP
Signal System	NTSC	PAL
Scanning System	2:1 Interlace	
Scanning Frequency(H)	15.734 KHz	15.625 KHz
Scanning Frequency(V)	59.94 KHz	50 KHz
Pick-up Device	1/4" EX View HAD CCD	
Total Pixels No.	811(H)x508(V) 410K	795(H)x596(V) 470K
Effective Pixels No.	768(H)x494(V) 380K	752(H)x582(V) 440K
S/N Ratio	More Than 50dB	
Horizontal Resolution	More Than 500 TV Lines	
Lens	x27 Zoom (F1.5(W), F3.6(T) f=3.25~88.0mm)	
Min. Shooting Distance	WIDE(0.01m), TELE(1.0m)	
Privacy Zones	8 Area Active Programmable Zone	
Image Capture	1 Field Image Freezer, Image Rotation, Flip, Mirror	
Min. Illuminance	Normal Mode : 1 Lux(1/3 Video Ouput) Digital Slow Shutter : 0.01 Lux(20Field Accumulate) Night Mode : 0 Lux(Infrared on) / 0.005 Lux(Infrared off)	
OSD (On Screen Display)	English only	
Sync System	Internal / VD Lock , Auto detect	
Video Output	Composite Video Output(1Vp-p 75Ω Terminated)	
Camera Control	RS232C(TTL Level)	
Zoom Speed	5 Sec Mode / 7 Sec Mode / 9 Sec Mode	
Zoom / Focus Preset	128 Position Set / Move (Store with Internal EEPROM)	
Camera ID	Off, 0-255(Total 256)	
Focus mode	Push Auto/Auto/Manual	
White Balance	Auto(ATW)/Indoor/Outdoor/Manual/Push Auto	
AE Mode	Auto/Iris Manual/AGC Manual/ DSS Manual	
Motion Detect	On/Off (Level Sensitivity : 0-150(16 steps))	
E.Shutter	1/3 to 1/100000	2/5 to 1/100000
Flickerless Mode	Manual On/Off	
Iris Control	Auto/Manual	
AGC Control	Auto/Manual	
Electronic Sensitivity	Auto: x2,x3,x4,...x20 Fix :x2,x3,x4,...x20	
Wide Dynamic Range	On/Auto/Off	
Operation Temperature	-10°C ~ 50°C	
Operation Humidity	0%RH~60%RH	
Storage Temperature	-20°C ~ 60°C	
Supplied Voltage	DC 12V	
Power Consumption	Max 5.1W	
Dimension(WxHxD)	48.9x57.6x86mm	
Weight	242g	

x27 D&N Camera

LVC-M313HM (NTSC)
LVC-M313HP (PAL)

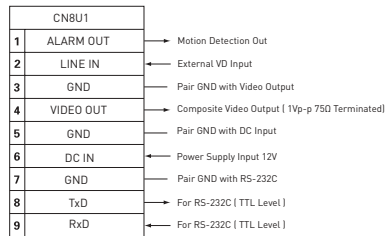


Feature

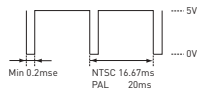
- Built-in x27 zoom lens, x10 digital zoom
- Day and Night function (IR Cut Filter)
- Digital Slow Shutter
- Wide Dynamic Range (Dual AGC)
- Min. illumination of 0 lux at night mode (IR ON)
- 480 TV lines of horizontal resolution
- Motion Detection, Auto Focus, Auto Iris
- Six alternative White Balance control mode
- Sharpness and Mirror

Interface

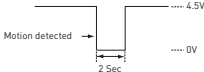
1) Connecting Condition
[9 Pin FFC Connector ; Maker Elco 1.0mm Pitch , Upper Contact]



2) Line In Pulse Condition.



3) Alarm Out Pulse Condition.



4) Accessory
: 9 Pin Flat Cable (120mm)

Specifications

Model	LVC-M313HM	LVC-M313HP
Signal System	NTSC	PAL
Scanning System	2:1 Interlace	
Scanning Frequency(H)	15.734 KHz	15.625 KHz
Scanning Frequency(V)	59.94 KHz	50 KHz
Pick-up Device	1/4" Super HAD CCD	
Total Pixels No.	811(H)x508(V) 410K	795(H)x596(V) 470K
Effective Pixels No.	768(H)x494(V) 380K	752(H)x582(V) 440K
S/N Ratio	More Than 50dB	
Horizontal Resolution	More Than 480 TV Lines	
Lens	x27 Zoom (F1.5(W), F3.6(T) f=3.25~88.0mm)	
Min. Shooting Distance	WIDE(0.01m), TELE(1.0m)	
Min. Illuminance	Normal Mode : 1 Lux(1/3 Video Ouput) Digital Slow Shutter : 0.01 Lux(32Field Accumulate) Night Mode : 0 Lux(Infrared on) / 0.005Lux(Infrared off)	
OSD (On Screen Display)	English only, English/Chinese	
Digital Zoom Ratio	x10 (Total Zoom Ratio x270), x2~x10 Variable	
Sync System	Internal / VD Lock , Auto detect	
Video Output	Composite Video Output(1Vp-p 75Ω Terminated)	
Camera Control	RS232C(TTL Level)	
Zoom Speed	5 Sec Mode / 7 Sec Mode / 9 Sec Mode	
Zoom / Focus Preset	64 Position Set / Move (Store with Internal EEPROM)	
Function	Camera ID	Off, 0-255(Total 256)
	Focus Mode	Push Auto/Auto/Manual
	White Balance	Auto/Special/Indoor/Outdoor/Manual/Push Auto
	AE Mode	Auto/Iris Manual/AGC Manual/Manual
	Motion Detect	On/Off (Level Sensitivity : 0-15(16 steps))
	OSD Display	Function/Motion/Camera ID/Zoom MAG/User Title/Initial Title
	Electronic Sensitivity	Auto: x2,x3,x4,...x20 Fix :x2,x3,x4,...x20
Wide Dynamic Range		On/Auto/Off
Operation Temperature	-10°C ~ 50°C	
Operation Humidity	0%RH~60%RH	
Storage Temperature	-20 °C ~ 60 °C, 0%RH~85%RH	
Supplied Voltage	DC12V	
Power Consumption	Max 5.3W	
Dimension(WxHxD)	48.9x57.6x86mm	
Weight	242g	

x16 Zoom Camera

LVC-A640HM (NTSC)
LVC-A640HP (PAL)

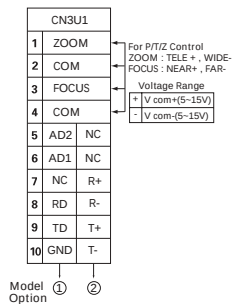


Feature

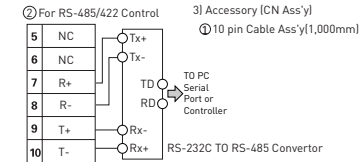
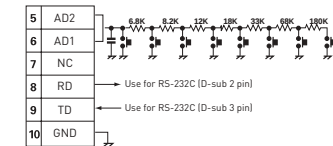
- Built-in x16 zoom lens, x8 digital zoom
- 480 TV lines of horizontal resolution
- Auto Focus, Auto Iris, Backlight Compensation
- Six alternative White Balance control mode
- Sharpness and Mirror

Interface

1) For P/T/Z Control & RS-232C TTL
(CONNECTOR : 68125-1011 , MOLEX)



Model Option
① For RS-232C & AD Control



Specifications

Model	LVC-A640HM	LVC-A640HP
Signal System	NTSC	PAL
Scanning System	2:1 Interlace	
Scanning Frequency(H)	15.734 KHz	15.625 KHz
Scanning Frequency(V)	59.94 KHz	50 KHz
Pick-up Device	1/4" Super HAD CCD	
Total Pixels No.	811(H)x508(V) 410K	795(H)x596(V) 470K
Effective Pixels No.	768(H)x494(V) 380K	752(H)x582(V) 440K
S/N Ratio	More Than 50dB	
Horizontal Resolution	More Than 480 TV Lines	
Lens	x16 Zoom (F1.6 f=3.9mm~63mm)	
Min. Shooting Distance	WIDE(0.01m), TELE(1.0m)	
Min. Illuminance	1 Lux(1/3 Video Ouput)	
OSD(On Screen Display)	English only, English/Chinese	
Digital Zoom Ratio	x8 (Total Zoom Ratio x128), x2~x8 Variable	
Sync System	Internal / GEN Lock(Optional) / VD Lock(Optional)	
Video Output	Composite Video Output(1Vp-p 75Ω Terminated), Y/C Separated	
Camera Control	P/T/Z Control / RS232C(TTL) / RS422(Optional)	
Zoom Speed	3 Sec	
Camera ID	0-255(Total 256)	
Focus Mode	Push Auto/Auto/Manual	
White Balance	Push Auto/Auto/Special/Indoor/Outdoor/Manual	
AE Mode	Auto/Iris Manual/AGC Manual/Manual	
Shutter Speed	1/60 ~1/10,000 Sec 8 Steps	1/50 ~1/10,000 Sec 8 Steps
Flickerless On	Off/On (1/100 Sec Shutter Set)	Off/On (1/120 Sec Shutter Set)
Back Light Control	On / Off	
Negative / Positive	Negative On / Off	
Operation Temperature	-10°C ~ 50°C	
Operation Humidity	0%RH~60%RH	
Storage Temperature	-20 °C~ 60 °C, 0%RH~85%RH	
Supplied Voltage	DC12V	
Power Consumption	Max 4.3W	
Dimension(WxHxD)	55x56x90mm	
Weight	230g	

x16 Zoom Camera

LVC-A800HM (NTSC)
LVC-A800HP (PAL)

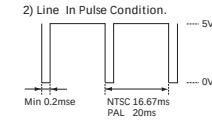
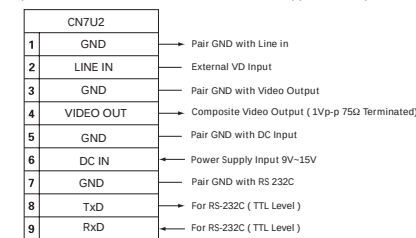


Feature

- Built-in x16 zoom lens, x8 digital zoom
- 480 TV lines of horizontal resolution
- Auto Focus, Auto Iris, Backlight Compensation
- Six alternative White Balance control mode
- Sharpness and Mirror

Interface

1) Connecting Condition
(9 Pin FFC Connector ; Maker Elco 1.0mm Pitch , Upper Contact)



3) Accessory
: 9 Pin Flat Cable (120mm)

Specifications

Model	LVC-A800HM	LVC-A800HP
Signal System	NTSC	PAL
Scanning System	2:1 Interlace	
Scanning Frequency(H)	15.734 KHz	15.625 KHz
Scanning Frequency(V)	59.94 KHz	50 KHz
Pick-up Device	1/4" Super HAD CCD	
Total Pixels No.	811(H)x508(V) 410K	795(H)x596(V) 470K
Effective Pixels No.	768(H)x494(V) 380K	752(H)x582(V) 440K
S/N Ratio	More Than 50dB	
Horizontal Resolution	More Than 480 TV Lines	
Lens	x16 Zoom (F1.6 f=3.9mm~63mm)	
Min. Shooting Distance	WIDE(0.01m), TELE(1.0m)	
Min. Illuminance	1 Lux(1/3 Video Output)	
OSD(On Screen Display)	English only, English/Chinese	
Digital Zoom Ratio	x8 (Total Zoom Ratio x128), x2~x8 Variable	
Sync System	Internal / VD Lock , Auto detect	
Video Output	Composite Video Output(1Vp-p 75Ω Terminated)	
Camera Control	RS232C(TTL)	
Zoom Speed	3 Sec	
Camera ID	0-255(Total 256)	
Focus Mode	Push Auto/Auto/Manual	
White Balance	Push Auto/Auto/Special/Indoor/Outdoor/Manual	
AE Mode	Auto/Iris Manual/AGC Manual/Manual	
Shutter Speed	1/60 ~1/10,000 Sec 8 Steps	1/50 ~1/10,000 Sec 8 Steps
Flickerless On	Off/On (1/100 Sec Shutter Set)	Off/On (1/120 Sec Shutter Set)
Back Light Control	On / Off	
Negative / Positive	Negative On / Off	
Operation Temperature	-10°C ~ 50°C	
Operation Humidity	0%RH~60%RH	
Storage Temperature	-20 °C ~ 60 °C, 0%RH~85%RH	
Supplied Voltage	DC12V	
Power Consumption	Max 4.3W	
Dimension(WxHxD)	50x53x81mm	
Weight	185g	

Zoom Color Module Lens

LCL-V160 (x16 Optical zoom) LCL-V220 (x22 Optical zoom)
LCL-V270 (x27 Optical zoom)
LCL-V271 (x27 Optical zoom with D&N)



LCL-V160

Feature

- x16 Optical zoom lens (f=3.9~63mm)
- Small size, Light weight
- High power zoom lens
- High resolution
- Wide angle (35mm SLR : 35mm equivalent)



LCL-V220

Feature

- x22 Optical zoom lens (f=3.9~85.8mm)
- Small size, Light weight
- High power zoom lens
- High resolution
- Wide angle (35mm SLR : 35mm equivalent)



LCL-V270 / LCL-V271

Feature

- x27 Optical zoom lens (f=3.24~86mm)
- Small size, Light weight
- High power zoom lens
- High resolution
- Super wide angle (35mm SLR : 29mm equivalent)
- Mechanical D&N function (LCL-V271)

Specifications

Model	LCL-V160	LCL-V220	LCL-V270
Focal Length	f=3.9mm(Wide) ~ 63.0mm(Tele)	f=3.9mm(Wide) ~ 85.8mm(Tele)	f=3.24mm(Wide) ~86.0mm(Tele)
Zoom Ratio	x 16	x 22	x 27
F Number	F1.6 (Wide) ~ F2.4(Tele)	F1.6 (Wide) ~ F3.7(Tele)	F1.5 (Wide) ~ F3.6(Tele)
Size of Image	1/4"CCD	1/4"CCD	1/4"CCD
Optical Length	72.29mm(in air)	72.6mm(in air)	72.47mm(in air)
Diameter of Front lens	30.6mm	27mm	30.5mm
Angle of View (Diagonal)	60.0°(Wide) ~4.1°(Tele)	60.0° (Wide) ~ 3.0° (Tele)	72.0° (Wide) ~ 3.0° (Tele)
Min. Focusing Distance	10mm(Wide) ~ 1.0m(Tele)	10mm(Wide) ~ 1.0m(Tele)	10mm(Wide) ~ 1.0m(Tele)
Lens Construction	7G 10El (AS 1El)	7G 10El (AS 2 El)	8G 11El (AS 2 El)
Weight	72g	62g	V270:70g / V271:72g

Series Model (LCL-V270)

With Day & Night function	LCL-V271
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Dimension (unit : mm)

