

## PROFESSIONAL CCTV LCD MONITORS



### CCTV LCD MONITOR SERIES

- PRO TYPE SERIES 15"/ 17"/ 19"/ 20"
- ECO TYPE SERIES 15"/ 17"/ 19"
- 8" CCTV LCD MONITOR
- 5.6" LCD TEST MONITOR

# TVS Provides Professional CCTV LCD Monitor Integrated Application



## Clear Image and High Definition

### Clear and sharp definition

- Noise reduction
- Clear and details in dark area
- Adaptive contrast and color
- Color transient enhancement
- De-interlace function

**High definition**

**Noise reduction**

**Adaptive contrast and color**

**Color transient enhancement**

**• Clear and detailed in dark area**  
Adaptive contrast

**• De-interlace function**  
Deinterlace function makes video processing for crisp, clear images

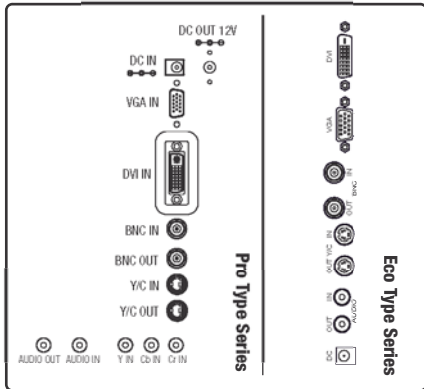
Non deinterlace	With deinterlace function



## Premium Mechanical Design

- Signal connector/ adjustable stand base
- VESA wall mount and rack mount bracket available
- Anti-reflective strengthened glass optional

### Signal connector



### Anti-reflective strengthened glass



### Multiple mechanical design for various installation

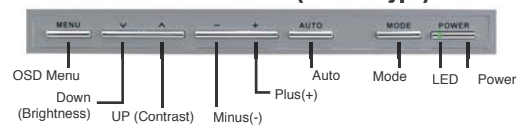


### VESA standard wall mounting

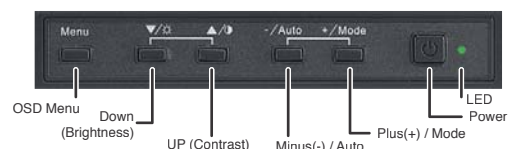


## User friendly front control and multi-language OSD support

### Function Panel (for Pro Type)



### Function Panel (for Eco Type)



# Pro Type Series

## Features

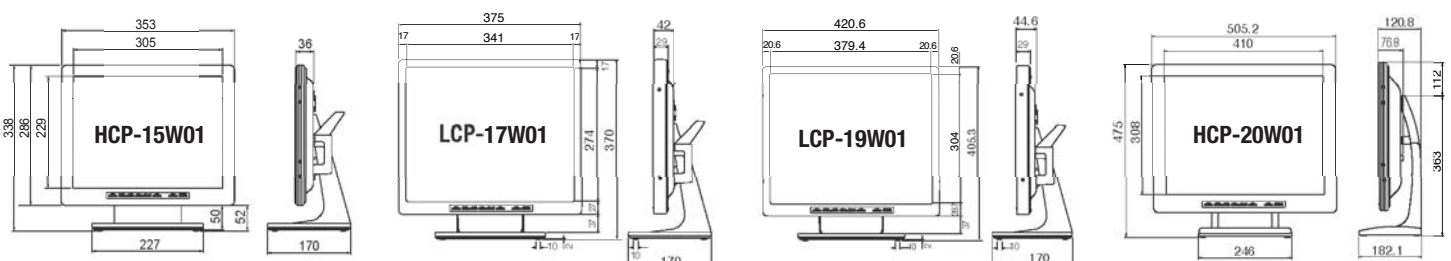
- ▶ PIP function: adjustable PIP size, moveable position, display both PC and video signals simultaneously.
- ▶ 4 scanning types: 1:1, under scan, over scan, and full scan.
- ▶ DC 12V power output supplies power for a single camera
- ▶ Adaptive 3D de-interlace and 3D comb filter for NTSC and PAL
- ▶ User-friendly front control and OSD multi-language support
- ▶ 500TVL horizontal video resolution
- ▶ Adaptor holder for a neat back
- ▶ Anti-reflective strengthened glass (optional)
- ▶ Wall mount and rack mount bracket (optional)
- ▶ Key lock function



Specification		Pro Type				
Model		HCP-15W01	LCP-17W01	LCP-19W01	HCP-20W01	
LCD panel spec.	LCD display	15" Active Matrix TFT LCD	17" Active Matrix TFT LCD	19" Active Matrix TFT LCD	20.1" Active Matrix TFT LCD	
	Viewable size	304.1mm (H) × 228.1mm (V) (4:3)	337.92mm (H) × 270.336mm (V) (5:4)	376.32mm (H) × 301.06mm (V) (5:4)	408mm (H) × 306mm (V) (4:3)	
	Max. resolution	1024(H) × 768 (V)mm (XGA)	1280(H) × 1024 (V)mm (SXGA)	1280(H) × 1024 (V)mm (SXGA)	800(H) × 600 (V)mm (VGA)	
	Lamp life time	30,000 hrs	50,000 hrs	50,000 hrs	50,000 hrs	
	Pixel pitch	0.297(H) × 0.297 (V)mm	0.264(H) × 0.264 (V)mm	0.294(H) × 0.294 (V)mm	0.51(H) × 0.51 (V)mm	
	Contrast ratio(Typ.)	500:1	800:1	800:1	600:1	
	Brightness	250 cd/m <sup>2</sup> (TYP.)	300 cd/m <sup>2</sup> (TYP.)	300 cd/m <sup>2</sup> (TYP.)	450 cd/m <sup>2</sup> (TYP.)	
	Response time Tr/Tf	2/6 ms	1/4 ms	3.6/1.4 ms	11/5 ms	
	Display color	16.2M	16.2M	16.2M	16.2M	
	Viewing angle L/R	70° / 70° (CR=10)	85° / 85° (CR=10)	70° / 70° (CR=10)	80° / 80° (CR=10)	
Viewing angle Up/Down	65° / 60° (CR=10)	80° / 80° (CR=10)	80° / 80° (CR=10)	80° / 60° (CR=10)		
Scan freq.	Horizontal	500TVL / 30K~80KHz			500TVL / 31.5K~48KHz	
	Vertical	56~75Hz				
Front control	Power On/Off, Mode, Up (Contrast Adjust), Down (Brightness Adjust), Menu, Auto, LED Indicator, Increase (Volume Increase), Decrease (Volume Decrease)					
Display mode	Video & S-Video & VGA					
OSD menu	VGA/DVI	Brightness, Contrast, H-Position, V-Position, Clock, Phase, Color Temp, User Color-R, User Color-G, User Color-B, OSD-H-Position, OSD-V-Position, Volume, PIP, Language, Recall				
	Video	Color, Tint (NTSC ONLY), Brightness, Contrast, Sharpness, Volume, Language, Color Temp, Recall, Scan(1:1, Under Scan, Over Scan, Full Scan), PIP, H-Position				
Signal connector	Input	Video BNC In (1.0 Vp-p 75Ω), Audio In, VGA 15 pin min D-SUB In, DVI IN (Optional), Y/C In, YCbCr IN (Optional)				
	Output	Video BNC Buffer Out (1.0 Vp-p 75Ω), Y/C Out, Audio Out				
Audio speaker	1W (Max.)					
Power Input	DC Input: 12V/4.0A 50/60Hz					
Power Output	DC Output: 12V/Max. 1A					
Power consumption	40W (Max.)	50W (Max.)	50W (Max.)	60W (Max.)		
Power Supply	AC 100V/240V					
Power failure auto recovery	Yes					
Power management	VESA DPMS Compatible					
De-interlace	Yes					
3D comb filter	NTSC/PAL					
Environment considerations	Operating condition	Temperature: 0°C ~ 40°C / Humidity: 10% ~ 85%				
	Storage Condition	Temperature: -20°C ~ 60°C / Humidity: 10% ~ 85%				
Dimension	Net (WxHxD)	353 × 338 × 170mm	375 × 370 × 170mm	420.6 × 405.3 × 170mm	505.2 × 475 × 182.1mm	
	Packing(WxHxD)(1pcs/Box)	468 × 463 × 234mm	519 × 507 × 244mm	553 × 534 × 240mm	642 × 628 × 322mm	
	Weight	N.W.: 4kgs, G.W.: 5.4kgs	N.W.: 5kgs, G.W.: 7.2kgs	N.W.: 6.3kgs, G.W.: 9kgs	N.W.: 10.1kgs, G.W.: 12.5kgs	
Safety	FCC, CE(EMC/LVD), UL, BSMI, CCC					
Optional accessories	Signal Connector	DVI In, Order Ref: HCP-15D01	DVI In, Order Ref: LCP-17D01	DVI In, Order Ref: LCP-19D01	DVI In, Order Ref: HCP-20D01	
		YCbCr In, Order Ref: HCP-15P01	YCbCr In, Order Ref: LCP-17P01	YCbCr In, Order Ref: LCP-19P01	YCbCr In, Order Ref: HCP-20P01	
		DVI + YCbCr In, Order Ref: HCP-15S01	DVI + YCbCr In, Order Ref: LCP-17S01	DVI + YCbCr In, Order Ref: LCP-19S01	DVI + YCbCr In, Order Ref: HCP-20S01	
	Rack Mounting Bracket	Order Ref: RK-15	Order Ref: RK-17	Order Ref: RK-19	N / A	
Strengthen Glass	Order Ref: HCP-15WG1	Order Ref: LCP-17WG1	Order Ref: LCP-19WG1	Order Ref: HCP-20WG1		

Specification is subject to change without notice.

## Dimension



# Eco Type Series

## Features

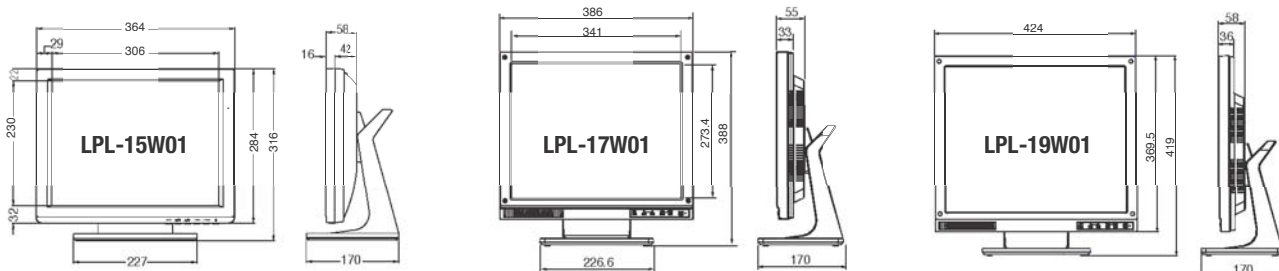
- ▶ High brightness
- ▶ High contrast up to 800:1
- ▶ Multi video system (NTSC / PAL / Auto)
- ▶ High speed response time
- ▶ Wide viewing angle
- ▶ 500TVL horizontal video resolution
- ▶ Adaptive 3D comb filter and 3D de-interlace
- ▶ User-friendly front control and OSD multi-language support
- ▶ Anti-reflective strengthen glass (optional)
- ▶ Wall mount and rack mount bracket (optional)
- ▶ Key lock function



Specification		Eco Type		
Model		LPL-15W01	LPL-17W01	LPL-19W01
LCD panel spec.	LCD display	15" Active Matrix TFT LCD	17" Active Matrix TFT LCD	19" Active Matrix TFT LCD
	Viewable size	304.1mm (H) × 228.1mm (V) (4:3)	337.92mm (H) × 270.336mm (V) (5:4)	376.32mm (H) × 301.06mm (V) (5:4)
	Max. resolution	1024(H) × 768 (V)mm (XGA)	1280(H) × 1024 (V)mm (SXGA)	1280(H) × 1024 (V)mm (SXGA)
	Lamp life time	30,000 hrs	50,000 hrs	50,000 hrs
	Pixel pitch	0.297(H) × 0.297 (V)mm	0.264(H) × 0.264 (V)mm	0.294(H) × 0.294 (V)mm
	Contrast ratio(Typ.)	500:1	800:1	800:1
	Brightness	250 cd/m <sup>2</sup> (TYP.)	300 cd/m <sup>2</sup> (TYP.)	300 cd/m <sup>2</sup> (TYP.)
	Response time Tr/Tf	2/6 ms	1/4 ms	3.6/1.4 ms
	Display color	16.2M	16.2M	16.2M
	Viewing angle L/R	70° / 70° (CR=10)	85° / 85° (CR=10)	70° / 70° (CR=10)
Viewing angle Up/Down	65° / 60° (CR=10)	80° / 80° (CR=10)	80° / 80° (CR=10)	
Scan freq.	Horizontal	500TVL / 31.5K~80KHz		
	Vertical	56~75Hz		
Front control	Power On/Off, Mode, Up(Contrast Adjust), Down(Brightness Adjust), Menu, Auto			
Display mode	Video & S-Video & VGA			
OSD menu	VGA/DVI	Brightness, Contrast, H-Position, V-Position, Clock, Phase, Color Temp, User Color-R, User Color-G, User Color-B, OSD-H-Position, OSD-V-Position, Volume, Language, Recall		
	Video	Color, Tint(NTSC ONLY), Brightness, Contrast, Sharpness, Volume, Language, Color Temp, Recall		
Signal connector	Input	Video BNC In(1.0 Vp-p 75Ω), Audio In, VGA 15 pin min D-SUB In, DVI IN(Optional)		
	Output	Video BNC Buffer Out(1.0 Vp-p 75Ω), Y/C Out, Audio Out		
Audio speaker	1W (Max.)			
Power Input	DV Input: 12V/4.0A 50/60Hz			
Power Output	N/A			
Power consumption	30W (Max.)	40W (Max.)	50W (Max.)	
Power Supply	AC 100V/240V			
Power failure auto recovery	Yes			
Power management	VESA DPMS Compatible			
De-interlace	Yes			
3D comb filter	NTSC/PAL			
Environment considerations	Operating condition	Temperature: 0°C ~ 40°C / Humidity: 10% ~ 85%		
	Storage Condition	Temperature: -20°C ~ 60°C / Humidity: 10% ~ 85%		
Dimension	Net (WxHxD)	364 × 316 × 170mm	386 × 388 × 170mm	424 × 419 × 170mm
	Packing(WxHxD)(1pcs/Box)	468 × 417 × 237mm	510 × 514 × 234mm	546 × 538 × 234mm
	Weight	N.W.: 4kgs, G.W.: 6kgs	N.W.: 5.2kgs, G.W.: 7.2kgs	N.W.: 6.1kgs, G.W.: 8.4kgs
Safety	FCC, CE(EMC/LVD), UL, BSMI, CCC			
Optional accessories	Signal Connector	N/A	DVI In, Order Ref: LPL-17D01	DVI In, Order Ref: LPL-19D01
	Rack Mounting Bracket	N/A	ERK-17	ERK-19
	Strengthen Glass	Order Ref: LPL-15WG1	Order Ref: LPL-17WG1	Order Ref: LPL-19WG1

Specification is subject to change without notice.

## Dimension



# 8" CCTV LCD Monitor

## Features

- ▶ Durable metal housing
- ▶ Rack mountable (side-by-side) for standard 19" rack
- ▶ Resolution 800x600 pixels
- ▶ NTSC/PAL auto recognition
- ▶ 2 video BNC inputs
- ▶ 4 RCA audio jacks for audio input/output
- ▶ Multi-language OSD
- ▶ Last memory for settings when powered off
- ▶ Power saving while no signal input
- ▶ Low power consumption with LED backlight
- ▶ Key lock function



Specification		LV-80R01
Model		LV-80R01
LCD panel spec.	LCD display	COLOR LCD 8" LCD Monitor
	Screen size(Viewable size)	8" (162 × 122 mm, WxH)
	Max. resolution	800(H) × 600 (V)mm
	Lamp life time	20,000 hrs
	Dot pitch	0.675(W) × 0.2025 (H)mm
	Contrast ratio	500:1 Typ.
	Brightness	200 cd/m <sup>2</sup> (TYP.)
	Response time Tr/Tf	10/15ms (TYP.)
	Viewing angle L/R	70° / 70°
	Viewing angle Up/Down	70° / 70°
Resolution		380TVL
Display mode		Video 1, Video 2, S-Video
OSD menu	Video	Language, Contrast, Brightness, Color, Tint, Sharpness, Reset
Signal connector	Input	2 x BNC Inputs (1.0Vp-p 75Ω);
		1 x S-Vido Inputs;
	Output	2 x BNC Outputs (2.0Vp-p 75Ω); 1 x Audio Output (RCA Jack R,L)
Audio speaker		2W (Max.)
Environment considerations	Operating condition	Temperature: 0°C ~ 40°C
	Storage Condition	Temperature: -20°C ~ 60°C
Power Input		AC Input: 100 ~ 240V/1.5A, 50 / 60Hz
Power consumption		18W
Power Supply		DC 12V
Dimension	Net (WxHxD)	190 × 173 × 25 mm
	Packing(WxHxD)(1pcs/Box)	280 × 244 × 97 mm
	Weight	N.W.: 1.1 kgs, G.W.: 1.5 kgs
Stands / bracket supported		Hinge Standard
Safety		FCC, CE (EMC/LVD), UL, BSMI, CCC
Optional accessories	Rackmount bracket	Option (Part number: RK-80) / (VESA Standard)
	Wallmount bracket	Option (75x75,100x100) (Part number: DW-170, DW-171)

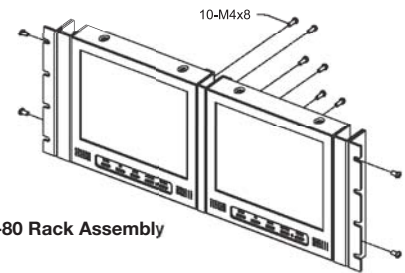
## Accessories



Adjustable View Angle for Rack



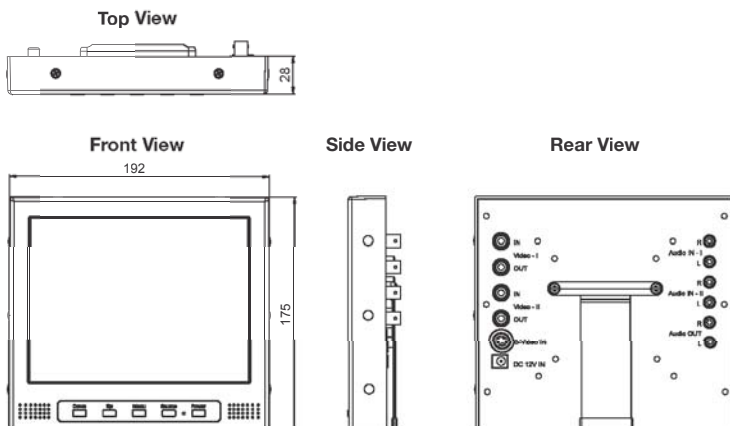
Hinge Stand as a Photo Frame



RK-80 Rack Assembly

Specification is subject to change without notice.

## Dimension



19" Rack Side by Side



# 5.6" LCD Test Monitor

## Features

- ▶ Lightweight & compact size
- ▶ Resolution 320x234 pixels
- ▶ NTSC/PAL auto recognition
- ▶ Two video BNC input and one audio jack input
- ▶ Test pattern generator (color bars/ cross hatch/ RGB/Dot)
- ▶ Multi-language support OSD
- ▶ Carrying strap and travel case
- ▶ Rechargeable battery and AC adaptor
- ▶ Anti-scratch & anti-reflectiveness visor
- ▶ Ideal for CCTV installation, on-site demonstration and testing
- ▶ Last memory for settings when powered off
- ▶ Power saving while no signal input

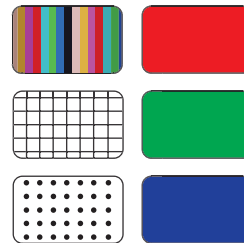


Specification		LV-56R01
Model		LV-56R01
LCD panel spec.	LCD display	Color 5.6" LCD
	Screen size(Viewable size)	5.6" (113.3 (H) × 84.7mm (V))
	Max. resolution	320(H) × 234 (V)mm (4:3)
	Lamp life time	20,000 hrs
	Dot pitch	0.118(H) × 0.362 (V)mm
	Contrast ratio	150:1 Typ.
	Brightness	300 cd/m <sup>2</sup> (TYP.)
	Response time Tr/Tf	15/20ms (TYP.)
	Viewing angle L/R	45° / 45°
	Viewing angle Up/Down	10° / 30°
Front control		Power on/off, Power/Recharge LED indicator, SOURCE, Up(Volume Increase), Picture(OSD menu), Down(Volume Decrease)
Display mode		Video 1, Video 2, Test pattern
OSD menu	Video	Language, Auto Off, Contrast, Brightness, Color, Tint, Sharpness, Recall
Signal connector	Input	2 x BNC Inputs (1.0Vp-p 75Ω) ; 1 x Audio Input (3.5Ωstereo Jack)
	Output	1 x BNC Outputs (2.0Vp-p 75Ω) ; 1 x Audio Output (3.5Ωstereo Jack)
Audio speaker		1W (Max.)
Environment considerations	Operating condition	Temperature: 0°C ~ 40°C
	Storage Condition	Temperature: -20°C ~ 60°C
Power Input		AC Input :100 ~ 240V/1.5A, 50 / 60Hz
Power consumption		14W
Power Supply		DC 9V
Dimension	Net (WxHxD)	180 × 120 × 34mm
	Packing(WxHxD)(1pcs/Box)	256 × 175 × 116mm
	Weight	N.W.: 1.2kgs, G.W.: 1.6kgs
Stands / bracket supported		1/4" standard screw mount on bottom
Rechargeable battery		Li-Poly battery (7.4V / 2650mAh)
Safety		FCC, CE(EMC/LVD), UL, BSMI, CCC
Material	Front Panel	Plastic
	Rear Cover	Plastic
Optional accessories	Rechargeable battery	BT-088269

Specification subject to change without notice.

## Accessories

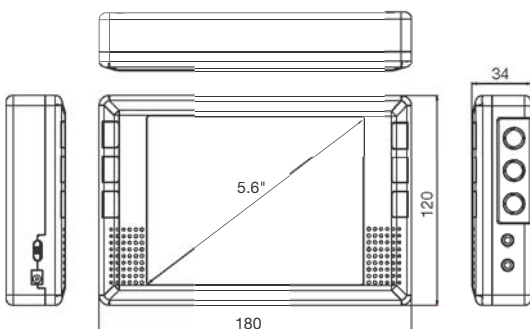
### Test Pattern Generator



### Packing list

- ▶ 5.6" TFT LCD monitor x1
- ▶ Travel case with carrying and waist strap x1
- ▶ AC adaptor x1
- ▶ Rechargeable Li-poly battery x1
- ▶ 12VDC vehicle cigar lighter charger x1
- ▶ 3.5" stereo jack to RCA jack cable x1
- ▶ User manual x1

## Dimension





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