

55-inch Ultra Narrow Bezel LCD Display

TH-55LFV70W

● Product specification (design and specification subject to change without notice)

■ DISPLAY PANEL

Screen Size (Diagonal)	54.6-inch (1,387.8 mm)
Panel Type	IPS / D-LED
Aspect Ratio	16:9
Effective Display Area (W x H)	1,209.6 x 680.4 mm
Number of Pixels (H x V)	1,920 x 1,080 pixels
Brightness	700 cd/m ² (typ)
Contrast Ratio	1,200:1 (typ)
Dynamic Contrast Ratio	500,000:1
Response Time	12 ms (G to G) (typ)
Viewing Angle (Horizontal/Vertical)	178° / 178°
Panel Life Time	approx. 60,000 hours (typ)*
Panel Surface Treatment	Anti-glare treatment (Haze 44%)

*When the panel lifetime is at 50% of the brightness under the condition of 25 degrees Celsius (+/- 2 degrees Celsius).
Panel lifetime may be shortened due to usage environment.

■ CONNECTION TERMINAL

VIDEO IN	BNC x 1 (Shared with Component Y IN)	1.0 Vp-p (75Ω)
AUDIO IN (L/R)	Pin jack x 1 set (Side) (Shared with Component IN)	0.5 Vrms
HDMI IN	HDMI TYPE A Connector x 1	
Component IN	BNC x 3	Y : 1.0 Vp-p (75Ω) Pb : 0.7 Vp-p (75Ω) Pr : 0.7 Vp-p (75Ω)
AUDIO IN (L/R)	Pin jack x 1 set (Side) (Shared with VIDEO IN)	0.5 Vrms
DVI-D IN	DVI-D 24pin x 2	
AUDIO IN (L/R)	3.5 mm Stereo mini jack (M3) (Shared with PC IN)	0.5 Vrms
DisplayPort IN	DisplayPort x 1 (DP1.1 Dual Mode Only)	
PC IN	Mini D-sub 15pin x1 (Female)	R/G/B : 0.7 Vp-p (75Ω) H/CS/V : TTL (2.2kΩ) SQG : 1.0 Vp-p (75Ω)
AUDIO IN (L/R)	3.5 mm Stereo mini jack (M3) x 1 (Shared with DVI-D IN)	0.5 Vrms
USB	TYPE A x 1	

■ CONTROL

SERIAL IN/OUT	D-sub 9pin IN x 1/OUT x 1, RS-232C COMPATIBLE
DIGITAL LINK IN	RJ45 x 1
DIGITAL LINK OUT	RJ45 x 1
IR IN / OUT	3.5 mm Stereo mini jack (M3) IN x 1/OUT x 1
LAN	RJ45 x 1 (Shared with DIGITAL LINK IN)

■ AUDIO

Line Out (VAO)	Pin jack x 1 set
Speaker OUT	External Speaker Terminal (L/R), 10W + 10W (8Ω)

■ ELECTRICAL

Power Requirements	100V - 240V / 50-60Hz
Power Consumption	330W (355VA)
On Mode Average Power Consumption*	168W
Power off Condition	No Power
Stand-by Condition	0.5W
BTU	max 1,122 BTU

*Based on IEC 62087 Ed.2 measurement method

■ MECHANICAL

Dimensions (W x H x D)	1,213 x 684 x 95 mm
Bezel Width	2.25mm (left/top), 1.25 mm (right/bottom), 3.5 mm (B to B)
Carton Dimensions (W x H x D)	1,551 x 961 x 450 mm
Weight	approx. 30 kg
Gross Weight	approx. 46 kg
Cabinet Material / Color	Metal / Black
Pitch for Wall-Hanging	VESA Compliant 400 x 400 mm (Installed by: M6 screws /Screw hole depth 16.3 mm)

■ ENVIRONMENTAL

Operating Environment	Temperature	: 0°C to 40°C
	Humidity	: 10% to 90% (Non condensation)
Altitude Operating Height		0 - 2,000m
Storage Environment	Temperature	: -20°C to 60°C
	Humidity	: 10% to 90% (Non condensation)

■ INCLUDED ACCESSORIES

- AC power cord 2 m (3:Europe, UK, Aus) - Cat5e LAN Cable (2 m) - External IR receiver Cable (1.5 m) - Remote Control - Wire clasper x 3
- Battery (AAA) x 2 - CD-ROM / User Manual - Operating instruction book

MAIN FEATURE

Daisy Chain	DIGITAL LINK*1, RS-232C, IR
Multi Screen	Yes (N x M, up to 10 x 10)
Backup Input	Yes (2 Backup)
1:1 Pixel Mode	Yes
Automatic Picture Position	Yes
Screen Saver	Yes
Wobbling	Yes
ECO Mode	Yes
PC Power Management	Yes
DVI-D/HDMI Power Management	Yes
Input Lock	Yes
Button Lock	Yes
Power ON Delay	Yes
Orientation	Landscape/Portrait
MENU Position Control	Yes
Ceiling-Suspension	Yes
	Used by Eyebolt. (Two-point concurrent use)
Operating Time*2	24h/7d
User Memory Function	Yes
Color Calibration	Done
Function Group Setting	Yes
USB Media Player	Yes
ID Auto Setting	Yes
Crestron / AMX Supported	Yes
YFB Series / Extron XTP Supported	Yes

*1: 8 sets with HDCP, 10 sets without HDCP

*2: In case of running for a long time, the moving image is recommended to be displayed. If you display a still picture for an extended period, the image retention might remain on the screen. However, image retention can gradually disappear by displaying a moving images.

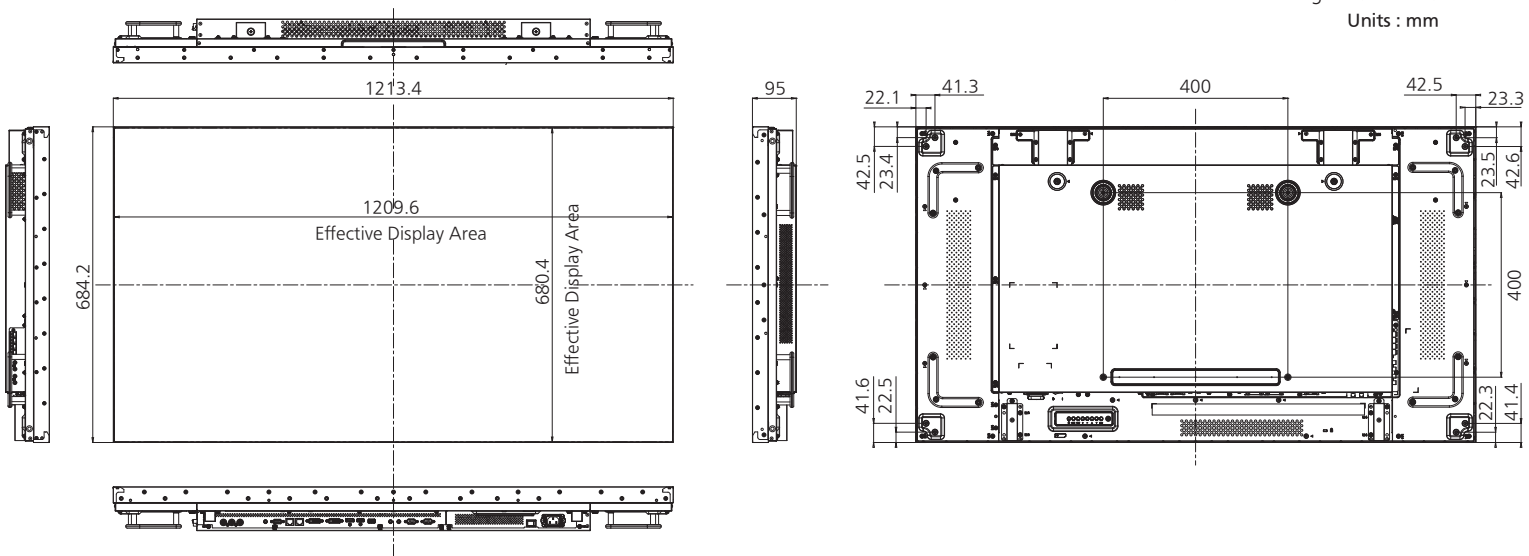
OPTIONAL ACCESSORIES

OPTIONAL ACCESSORIES	TY-VK55LV1
	TY-CF55VW50 (Support from 11/2014 product)

STANDARD (CERTIFICATIONS)

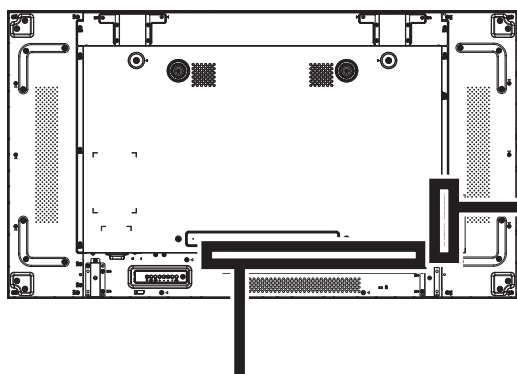
Safety Regulations	EU : EN60950-1:2006 +A11:2009, + A1:2010 +A12:2011 AS/NZS : 60950.1:2011 Inc A1, GOST T IEC60950-1 : 2009
Radiation Regulations	EN55022:2010+AC:2011(Class A), EN55024:2010 AS/NZS CISPR22:2009 +A1:2010(Class A)

DIMENSIONS



Cautions: This drawing is not a scale
Units : mm

CONNECTION TERMINAL



SERIAL IN	SERIAL OUT	IR IN	IR OUT	5V 500mA MAX USB	3.3V 500mA MAX HDMI DisplayPort AV IN	DVI-D IN 1	DVI-D IN 2	DIGITAL LINK IN/OUT LAN	PC IN	AUDIO IN 1	COMPONENT/VIDEO IN
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INPUT MODE

PC Resolution:

Standard Resolution	Active Resolution		Refresh Rate	Dot Clock	Aspect Ratio	Stand for Mode
	H Pixels	V Lines				
VGA	640	480	60Hz	25.175MHz	4:3	Video Graphic Array
			72Hz	31.5MHz		
			75Hz	31.5MHz		
			85Hz	36MHz		
SVGA	800	600	56Hz	36MHz	4:3	Super VGA
			60Hz	40MHz		
			72Hz	50MHz		
			75Hz	49.5MHz		
XGA	1024	768	85Hz	56.25MHz	4:3	Extended Graphic Array
			60Hz	65MHz		
			70Hz	75MHz		
WXGA	1280	768	75Hz	78.75MHz	5:3	Wide XGA
			85Hz	94.5MHz		
WXGA	1280	800	60Hz	80.14MHz	16:10	Wide XGA
SXGA	1280	960	60Hz	71MHz	4:3	Super XGA
			85Hz	83.5MHz		
SXGA	1280	1024	60Hz	108MHz	5:4	Super XGA
			85Hz	148.5MHz		
			60Hz	108MHz		
WXGA	1366	768	75Hz	135MHz	16:9	Wide XGA
			85Hz	157.5MHz		
WXGA+	1440	900	60Hz	86.71MHz	16:10	Wide XGA+
			60Hz	88.75MHz		
UXGA	1600	1200	60Hz	106.5MHz	4:3	Ultra XGA
HD1080	1920	1080	60Hz	162MHz	16:9	HD1080
HD720	1280	720	60Hz	148.5MHz	16:9	HD720

SDTV Resolution:

Standard Resolution	Active Resolution		Refresh Rate	Dot Clock	Aspect Ratio	Stand for Mode
	H Pixels	V Lines				
480i	720	480	29.97Hz	13.5MHz	4:3	Modified NTSC
480p			59.94Hz	27MHz		Standard
576i	720	480	25Hz	13.5MHz	4:3	Modified PAL
576p			50Hz	27MHz		Standard

HDTV Resolution:

Standard Resolution	Active Resolution		Refresh Rate	Dot Clock	Aspect Ratio	Stand for Mode
	H Pixels	V Lines				
720P	1280	720	50Hz	74.25MHz	16:9	Normally DVB Mode
			60Hz			
1080i	1920	1080	25Hz	74.25MHz	16:9	Normally ATSC Mode
			30Hz			
1080p	1920	1080	48Hz	74.25MHz	16:9	Normally ATSC Mode
			30Hz			
			25Hz			
			24Hz			
1080p	1920	1080	50Hz	148.5MHz	16:9	Normally ATSC Mode
			60Hz			

- The PC text quality is optimum in HD 1080 mode (1920 x 1080, 60 Hz).
- Your PC display screen might appear different depending on the manufacture (and your particular version of Windows).
- Check your PC instruction book for information about connecting your PC to a monitor
- The display settings table complies to the IBM/VESA standards, and based on the analog input.
- The DVI support mode is regarded as same to the PC support mode.
- The best timing for the vertical frequency to each mode is 60 Hz.