CMP420V1/CMP420V2

42-Inch WVGA Professional Plasma Monitor

- **480p Enhanced Definition Display**
- **Bright High Impact Images**
- **Monitor ID Bit controls up to 7 Displays**
- **Excellent PC Format Compatibility**
- **Multiple Screen Saver Options**
- **Multiple Life Extension Modes**
- **On-Screen User Interface**
- **RS-232C Interface**
- **Optional Table Top Stand**
- **Optional Speakers**
- **Optional Wall Bracket**
- **FCC Class B Compliant**
- **Black (V1) or Silver (V2) Frame**

The CMP420V1 and V2 serve a broad range of commercial uses—from single-point signage and networked multi-site retail display systems to custom AV applications. The display creates a sharp, detailed image with any type of input content. A high contrast, anti-reflective glass shield improves information visibility in locations where ambient light could create distracting reflections.

The RS-232C interface is compatible with leading control systems and makes integrating the CMP420V1 or V2 a simple operation.

The modern and sleek black or silver design creates a unique look with stylistic appeal.

As part of the family of Hitachi Professional Products, the On-Screen Display and Menu Navigation remains the same for the CMP420V1 and CMP420V2 as other HD panels, making switching between models less cumbersome. Unique menu options such as instant Color Decoder access makes customization quick and easy.

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Specifications

General	
Power Supply	AC100–120V and AC200–240V
	50/60Hz
Power Consumption	360W typical with speakers (standby: 2.5W)
Dimensions (HxWxD, in.)	40 9/16 x 25 1/16 x 3 1/2
Weight	72 lbs. 1 oz.
Color	
CMP420V1	Black
CMP420V2	Silver

Display Characteristics	
Effective display area (WxH in.)	36 $^1/_4$ x 20 $^7/_{16}$ 41 $^3/_4$ diagonal
Aspect Ratio	16:9
Pixel Count (HxV)	852 x 480
Pixel Pitch (HxV, mm)	1.08 x 1.08
Number of Colors/Gray Levels	16.7 million (256 gray levels)
Brightness	1000cd/m² (at panel before filter)
Viewing Angle	More than 160°

Signal Compatibility	
Computer	The CMP420V1 and V2 feature a native resolution of 852x480 pixels. They display computer signals ranging from 640 x 400 and 640 x 480 (VGA) to 1024 x 768 (XGA-Compressed). Compressed high-resolution SXGA and UXGA data is also supported.

Signal Input Terminals	
Video1: Component/Composite	1
Video2: Component/Composite	1
Video3: S-Video/Composite	1
Video4: S-Video/Composite	1
Digital RGB1 (DVI-D)	
Video Format	DVI 1.0
Video Level/Impedance	150m Vp-p
TMDS Mode	Single link
Frequency	fH 31k 60kHz, fv 56 85Hz (preset signal timings only)
Connector	DVI-D (female) x 1
Analog Video (PC) RGB2	
Format/Frequency	R, G, B, H, V/fH: 15-106kHz (preset timings only), fV: 50-85Hz
Level/Impedance	R, G, B=0.7Vp-p/75Ω
Synchronization	H/V separate sync: TTL, H/V composite sync
TTL, G sync	0.3Vp-p
Connectors	mD-Sub 15-pin x1
Audio	
2 Inputs	L/R 470mV high impedance
Connectors	3.5mm stereo mini-jack
RS-232C	
Connector	D-sub 9-pin

Signal Output Terminals	
Monitor Out: **Composite**	1
Speaker Output	L + R (12w x 12w at 6ohm)

Controls	
Switches/Buttons	Main Power, Stand-by/On, Secondary (Vol u/d, Input Select, Menu Size Recall)
Main Adjustment	
RGB	Contrast, brightness, display size, vertical position, horizontal position, clock frequencies, clock phase
Audio	Volume, balance, high, low, mute
Remote Control	Infrared remote control included
Power Management	ON/OFF control/VIA signal detection

Environmental Conditions	
Temperature	5-35°C / 41°-95°F
Humidity	20-80% RH (non-condensation)
Altitude	Sea Level=1013.2hPa
Operating	800hPa to 1,114hPa 6,194ft to -2,484ft
Storage	300hPa to 1,114hPa 15,510ft. to -2,484ft

Regulations	
Safety UL 6500, CSA C22.2	UL CE Mark
EMI FCC Class B	EN55022 class B

Accessories	
Included	AC power cable (length=5ft. 11in.), infrared remote control

Optional accessories

Tabletop Stand CMPAD05B

Tabletop Stand CMPAD05S

Speakers
CMPAS14W Black (shown above)
CMPAS14V Silver

Connections

DVI	RS-232C (D-Sub 9-pin)	RGB In (D-Sub 15-pin) Configurable to Component Video	Audio In (3.5mm mini-jack) RGB2 RGB1
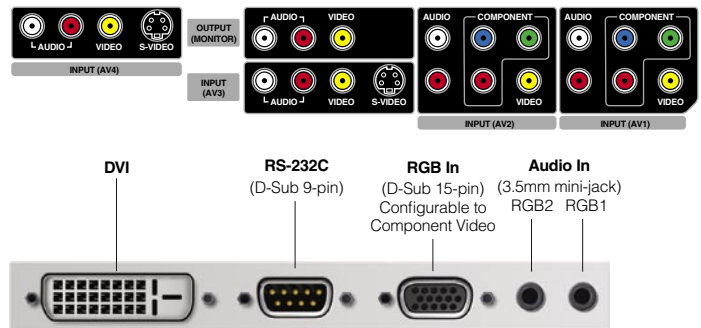
Installation dimensions

3-1/2 (89)   40-9/16 (1,030)

25-1/16 (636)
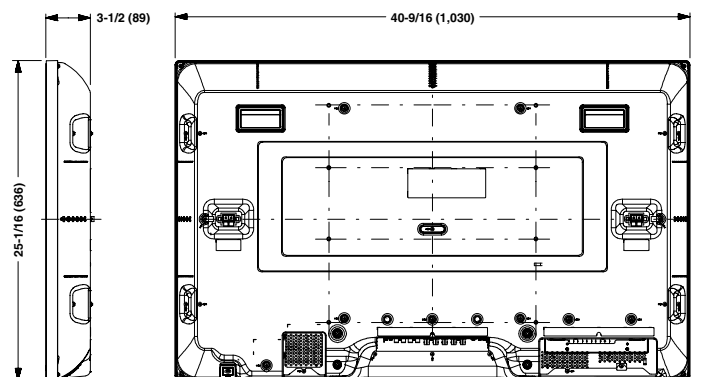
Please visit our website at www.hitachi.us/tv for complete specifications and dimensions.