HKC PN215CT01-1 - Panelook specification summary (not the manufacturer datasheet)

Kaynak: https://www.panelook.com/PN215CT01-1_HKC_21.5_CELL_parameter_47377.html (2026-10-31)

HKC PN215CT01-1 Application Details

Basic Info :	Mfr.	HKC	Model No.	PN215CT01-1
	Diagonal Size	21.5"	Application	
	Panel Type	a-Si TFT-LCD, CELL	Alias	-
Reliability :	Operating Temp.	0 ~ 50 °C	Storage Temp.	-20 ~ 60 °C
	RoHS State	RoHS	Vibration Rating	-
Specific Features :	Matte			

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HKC PN215CT01-1 Optical Details

Basic Information :	Brightness	0 cd/m²	Contrast Ratio	3000:1 (Typ.) (Transmissive)
	Viewing Angle	89/89/89/89 (Typ.)(CR≥10)	Display Type	FSA, Normally Black, Transmissive
	Viewing Direction	Symmetry	Response Time	7 (Typ.)(G to G) ms
Color Performance :	Chromaticity	Wx:0.311; Wy:0.338	Display Colours	16.7M (8-bit)
	Color Temp.	6517K	Uniformity	-
Color Gamut :	NTSC Ratio	74% NTSC (CIE 1931)	sRGB	97% coverage (CIE 1931)
	Adobe RGB	75% coverage (CIE 1931)	DCI-P3	77% coverage (CIE 1931)
	Rec.2020	55% coverage (CIE 1931)	Low Blue Light	-
Dispaly Performance :	Outdoor Visibility	No	Transmittance	5.1% (Typ.)(with Polarizer)

Disclaimer : This was entered by panelook engineers based on the datasheet, but we cannot guarantee that the listed specifications are completely accurate.

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HKC PN215CT01-1 Mechanical Details

Pixel Features :	Number of Pixels	1920(RGB)×1080, FHD	Dot Pitch	0.08275×0.24825 mm (H×V)
	Pixel Structure	RGB Vertical Stripe	Pixel Pitch	0.24825×0.24825 mm (H×V) [102PPI]
Mechanical Size :	Display Area	476.64×268.11 mm (H×V)	Bezel Area	-
	Outline Area	487.44×278.182 mm (H×V)	Outline Depth	1.36 (Typ.) mm
Outline Features :	Form Factor	Flat Rectangle	Orientation	Landscape type
	Aspect Ratio	16:9 (H:V)	Plate Thickness	0.50+0.50 mm
Other Features :	Weight	424g (Typ.)	Surface	Antiglare (Haze 25%), Hard coating (3H)

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HKC PN215CT01-1 Electronics Details

Frame Frequency :	75Hz
Reverse Scan :	No
D-IC Detail :	COF Built-in 4 source chips

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HKC PN215CT01-1 Backlight Details

Back-light Features :	Lamp Type	No B/L	Quantity	-	Life Time	-
	Replacement	-	Lamp Shape	-	Position	-

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HKC PN215CT01-1 Interface Details

Signal Systerm :	LVDS (2 ch, 8-bit)		Logic Voltage	-
Signal Electrical :	Voltage Input	5.0V (Typ.)	Current Input	0.72/0.94A (Typ./Max.)(60Hz)
	Consumption	3.6/4.68W (Typ./Max.)		
Interface Features :	Type	Connector	Position	-

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Connector Detail :	Brand	Model	Pin Pitch	Pins	Quantity	Pin Assignment
	XDYT	3-10122314-0	1.0 mm	30 pins	1 pcs	-

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HKC PN215CT01-1 Specification Source

File Referenced :	File Number	Version	Language	Issue Date
	-	Rev.F1	English	2021 - 3 - 9
Spec Latest Update :	2024-10-31 15:21			

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HKC PN215CT01-1 Datasheets Download

Datasheet	Version	Language	Issue Date	File Size	Pages	Latest	
PN215CT01-1 Datasheet	Rev.F1	English	2021-3-9	1.7 M	26	Latest	Paid Download
PN215CT01-1 Datasheet	Ver.P1	English	2020-9-28	1.7 M	27		Paid Download
PN215CT01-1 Datasheet	Rev.P2	English	2020-12-16	1.7 M	27		Paid Download

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HKC PN215CT01-1 Summary

PN215CT01-1 is a 21.5 inch diagonal a-Si TFT-LCD display screen product from HKC, without backlight, without touch screen. On the basis of latest version datasheet Rev.F1 which was released out on 3 9 2021, PN215CT01-1 supports display 1920(RGB)×1080 (FHD) with aspect ratio of 16:9 (W:H), whose pixels are arranged in RGB Vertical Stripe. As for mechanical detail, it features active area of 476.64(W)×268.11(H) mm, outline size of 487.44(W)×278.182(H)×1.36(D) mm, with surface treament of Antiglare (Haze 25%), Hard coating (3H), net weight of 424g (Typ.), utilizing 0.50+0.50 mm mm plate. As a FSA, Normally Black, Transmissive CELL product, PN215CT01-1 can provides 3000:1 transimissive contrast ratio, 89/89/89/89 (Typ.)(CR≥10) (L/R/U/D) viewing angle, best view direction on Symmetry , and response time of 7 (Typ.)(G to G) ms. Gray scale or the brightness of the sub-pixel is determined with a 8-bit gray scale signal for each dot, thus presenting a palette of 16.7M colors, also with performance of color gamut 72% (NTSC). This product have no backlight. PN215CT01-1 utilizes LVDS (2 ch, 8-bit) as it's signal inputting systerm, which connected by 30 pins Connector with power supply voltage of 5.0V (Typ.). It's typical vertical frame rate (Fv) is 75Hz. For more latest product detail of PN215CT01-1 we strongly recommend that you should refer to datasheet listed on Panelook.com or contact with HKC.