

MDP-471/5 28" 2Kx2K

Scioteq's next generation main radar display

The updated reference main radar display.

Since its introduction in 2000, the 2Kx2K main display for ATC controller working positions has become the world's leading ATC display both in new installations and as a direct replacements. This fifth generation suits your needs even more.



Superior image quality

The 4 megapixel IPS-Pro LCD screen offers brightness uniformity in white, gray, and black images and ensures zero bright dot defects. A wide viewing angle, high contrast, and absolutely no reflection help you observe every track, enhance user comfort and reduce eye fatigue.

Unique design

The fan-less design of the 2Kx2K main display ensures noiseless operation in an open architecture for improved operator comfort. All cables are hidden and connectors are easily accessible. The display's slim design, low weight and mechanical flexibility provide control center designers with a new degree of freedom to reduce plant and energy costs.

Smart obsolescence management

MDP-471/5 has an extremely low life-cycle cost. It has been built with highly reliable components and comes with a 5-year warranty.

Product specifications	
Native resolution	2048 x 2048 pixels
Pixel pitch	0.246 x 0.246 mm
Active screen area	503.8 mm x 503.8 mm (19.83" x 19.83")
Active screen diagonal	712.4 mm (28.05")
Pixel arrangement	RGB vertical stripe, IPS-Pro technology
Pixel defect	Zero bright dot
Front glass	Close to zero reflection due to NO front glass. Optional protective front filter glass with high quality anti reflective treatment
Dimensions	Standard Desktop version: H 585 mm x W 561 mm x D 135 mm. Bezel width 39 mm top, 39 mm bottom, 27 mm left, 27 mm right TWR version: H 558.3 mm x W 538.5 mm x D 100.1 mm. Bezel width 25 mm top, 25 mm bottom, 15 mm left, 15 mm right
Backlight	Edge LED backlight system
LED lifetime	> 100,000 hours estimated
Brightness max	Typical 500 cd/m ²
Brightness stabilization	150 cd/m ² over lifetime. BLOS real-time feedback loop through continuous measurement Backlight aging compensation
Dimming ratio	>250:1
Contrast ratio	Ratio of white/black image ; min 1000:1
Viewing angle	Superwide viewing angle performance, 178 ° typical, with CR greater than or equal to 10
Display colors	16.7 Mio (24 bit)
Color temperature	Adjustable between native, D65 and custom
Display uniformity	White brightness uniformity 80% (min), black brightness uniformity 70% (typ)
Response time	Tr (black to white transition): 10 ms, typical, tf (white to black transition): 8 ms, typical
Video inputs	4 digital input connectors, 2 x DVI-D Dual link, 2 x DisplayPort
Control possibilities	Front control buttons control multilanguage on-screen display Remote serial control (full 9 wire RS-232 compatible) for display protocol Remote serial DDM protocol (RS-422 on D-SUB 15 pin connector) Network - DHCP / Stat IP / SNMP / Web interface Integrated USB hub: 1x USB upstream port (connects workstation), 2x USB downstream port (connects peripheral devices) GPIO - general purpose input/output (3 input / 3 output, open collector)
Digital multisync	Supports standard VESA resolution lower than its maximum resolution Resolutions lower than native will be displayed in letterbox format Graphic cards scale up is supported (showing low resolution boot content on full 2K LCD surface)
Noise	Not applicable - passive cooling only
(Dual) power supply	Nominal voltage: 110 Vac & 230 Vac, operates between: 90-264 Vac, Frequency range: 47-63 Hz
Power consumption	31 Watt (in typical area control center setting: 70 cd/m ²), 41 Watt (stabilized at 150 cd/m ²), 72 Watt (TWR version: 500 cd/m ²). Power connector type: IEC, Power consumption low DPMS: 1.9 Watt (monitoring all digital inputs). Power consumption soft off: 0.5 Watt
Chassis ground	M4 earth stud
Mounting	VESA 100x100 and 200x100, M4
EMI/EMC	EU/IEC/Canada/FCC: limit B
Safety	IEC60950-1, EN60950-1, UL60950-1, cUL60950-1, CCC, KCC
Temperature	0°C to 40°C (32°F to 104°F)
Humidity	90% at 40°C non-condensing atmosphere (operational and non-operational)
Accessories	Desktop stand main display serie, USB control box, USB cable 3m, Vesa Interface plate

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The information and data given are typical for the equipment described.
However any individual item is subject to change without any notice.

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