

WIDE

IDP3200HB

32 inch 4K2K

High bright tower control Display

Super high bright LCD display to provide more effectiveness and efficiency for air traffic mission especially tower control



Advanced Technology WIDE Corporation specializes in providing the world the most advanced display system solutions in Air Traffic Management (ATM) industry. Our own manufacturing facilities, combined with our skilled research and development team, provide the latest innovations while maintaining a competitive price.

Built-in Luminance Stabilization Sensor WIDE's standard on-board luminance correlation sensor detects subtle changes in backlight luminance and automatically adjusts the LED backlight to reach optimum levels. User predefined levels can also be maintained. This solution offers the best balance of image quality/ consistency and LCD backlight stabilization.

Super High Brightness Its high brightness of 1000cd/m² in max provides a great of flexibility of use in a variety of wether conditions from very bright day-time to darkness of night-time.

4K x 2K Resolution 4K x 2K high-resolution and high bright display has been designed and architected to be able to a main mission of tower control more effectively and efficiently.



Plug-N-Play Video Connectivity The IDP3200HB is equipped with the most advanced and the latest video signal standard of Display Port 1.4 and HDMI 2.0b and provide a plug and display connectivity.

Full Feature Set for Any Air Traffic Mission The IDP3200HB is equipped with a full set of features for the most demanding Air Traffic Mission. USB ports, SNMP (RJ45), RS232 connectivity, a dual power supply, and dual video inputs offer critical redundancy advantages.

Multi-Window The IDP3200HB is able to display up to four images

from four different input sources. It supports Picture-in-Picture (PIP), Picture-by-Picture (PBP), and three and four windows on a single screen simultaneously (Total 11 different layout modes supported).

2160 x 2160	1680x 2160	1920 x 2160	1920 x 2160
Picture-by-Picture (2K2K mode)		Picture-by-Picture (Half & Half mode)	
2160 x 2160	1680 x 720	2760 x 2160	1080 x 720
	1680 x 720		1080 x 720
	1680 x 720		1080 x 720
Quad Window (2K2K mode)		Quad Window (HD mode)	
<div style="border: 1px solid black; width: 100px; height: 100px; margin: auto; display: flex; align-items: center; justify-content: center;"> 1080 x 720 </div>		1920 x 1080	1920 x 1080
		1920 x 1080	1920 x 1080
Picture-in-Picture		Quad Window (Full HD mode)	



24/7/365 Mission-Critical Operation The IDP3200HB is designed and architected to be able to meet the 24/7/365 mission-critical requirements in ATM industries especially including:

- Redundancy: Dual power supply system and dual video connectivity (2x HDMI, 2x DisplayPort).
- Eye-strain free screen: Flicker-free, anti-glare and anti-reflective screen, self-brightness control system.
- Superior wide-viewing angle: Best of wide-viewing angle performance based on IPS TFT LCD technology.

Lighter & Thinner WIDE's improved design provides greater flexibility when installing the display into an existing system. This reduction in weight and footprint will offers benefits in terms of logistics, storage, and handling. The overall look and feel of the display have improved drastically.

Energy Efficiency This display consumes up to 110 watts at maximum brightness (1000cd/m²). Energy consumption will be further reduced at normal operating conditions in a typical air traffic control room environment.

Optional Accessories Remote controller and secondary power supply are sold separately.



IDP3200HB

Technical information

- Super high brightness (1000cd/cm²)
- Multi-window displays
- Dual Display 1.4 & Dual HDMI 2.0b Inputs
- Dual Power Supply (Optional)
- Stereo Audio Output
- Eco-friendly

Display Performance		Multi-media	
Screen Size	31.5" (800.05 mm)	RCA and Stereo Jack for Audio Output	
Viewable Image Size	697.31(H)mm X 392.23(V)mm (27.45" X 15.44")	On-board Audio Amplifier: 1 watt	
Display Resolution	3,840 x 2,160 pixels		
Brightness (Max.)	1000 cd/m ² (Max), 300 cd/m ² (Calibrated)	Mechanical Specification	
Contrast Ratio	2,000:1	Dimension(WxHxD)	745.2mmx449.9mmx59.7mm/29.34"x17.71"x2.35" (CH/VM)
Viewing Angle	89° / 89° / 89° / 89° (U/D/L/R)		745.2mmx617.7mmx282.7mm/29.34"x17.71"x11.14 (DT)
Interface Specifications		Weight	13.24kg/29.19lb(CH/VM) with a stand-base & w/o protective glass
Input Signal	2x DisplayPort 1.4, 2x HMDI 2.0b	Environmental Consideration	
Communication	USB, SNMP (RJ45), RS232 Communication	Temperature	Operating : 0°C ~ 40°C (32°F~104°F)
Multi-window	PIP, PBP, Triple, Quad		Storage : -20°C ~ 60°C (-4°F~140°F)
Control Key	Source, Down, Up, Select, Menu, Power	Humidity	Operating : 10% - 85%
Remote Controller	Wire-based Remote Controller		Storage : 5% - max 95% @ 40°C (104°F) Relative humidity, Non-condensing
Power Requirement		Altitude	Up to 15,000 ft (Operating)
Power Supply	90~264V AC, 47~63Hz / +24V DC, 5A		Up to 30,000 ft (Storage)
Power Consumption	110(Max), 75W(500cd/m ²), Power Save Mode: 3W	Vibration	1.03 G for 5 ~ 200Hz, Random
Power Connector	External Adpator (4 pin)		1 hour (Z:30 min., X,Y:15 min. respectively)
Back Light		Regulatory Approval	
Backlight Technology	LED Backlight	EMC	EN550 32/35, FCC, KC, VCCI
Lamp Lifetime	More than 30,000 hrs (50% of Initial Lum.)	Safety	UL 62368-1, CB IEC 62368-1
Monitor Type			
Desktop Stand-alone (DT)			
VESA Mounting (VM) (with 100x100mm VESA Standard Mounting Interface)			
Chassis/Console Mounting (CH)			
Option			
Secondary Power (External) / Protective Glass / Remote Controller			

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