



AON

Series



CONTROL ROOMS

AON Series

Next Generation Displays

Communication is key in any business. Having the ability to communicate your message, clearly, accurately and consistently at all times has never been more important.

The AON Series provides the ultimate screen technology presenting information on a large-format, high-end digital display ensuring your message reaches everyone in the room. Crystal clear graphics allows detailed information to be presented clearly and accurately.

Quality you can count on. Easy operation and maintenance ensures mission critical information is never missed; this self monitoring screen will alert you if there is a problem.

A streamline design that will fit with any workplace the AON Series is the ultimate in Control Room Display Technology.

PIXON
TECHNOLOGY

Address: Unit 5, 91-93 Old Pittwater Road
Brookvale, NSW, Australia
Phone: 1300 174 966
Website: www.pixontech.com.au



Streamlined Design
Quality Performance
Piece of Mind

Command and Control Centres

- High Pixel Density
- High Contrast Ratio
- High Refresh rate
- Wide Viewing Experience
- Pixel-Level Calibration
- Blue light certified



RAZOR-SHARP MOTION



SUPERIOR THERMAL PERFORMANCE



SUPERWIDE VIEWING ANGLE



ENERGY SAVING COMMON CATHODE TECHNOLOGY

A LED Digital Display allows clear, accurate and dynamic communication to create a highly productive and collaborative environment.

Large format, high-end digital displays are the ultimate for any Command and Control Centre. Whether you are communicating detailed information and data for analysis or collaborating through dynamic presentations and videos, your message will always reach everyone in the room.

Whether it is a custom shape, or to fit within your architectural vision, the streamline design allows content to be viewed clearly from multiple angles and distances, allowing the digital displays to be integrated into rooms with curves, contours and tight corners.

Easy to calibrate to allow a consistent and seamless display that delivers brilliant crystal clear content. Any maintenance required is easy and timely with front service access and self monitoring applications that tells you when there is a problem.

AON has been designed by global experts in both LED and Videowall industries to deliver next-generation design for both visual and architectural advantages.

Quality and reliability ensures the AON Series digital displays enhance mission critical control centres, conference rooms, executive briefing centres and other collaborative spaces.

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The ultimate communication and collaboration tool

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AON's core technologies come together to generate an experience unlike any other.

The AON Series is the ultimate LED Display System for applications seeking the very best visual performance and mission-critical reliability.

DESIGN

The AON Series addresses the challenges faced by traditional video wall installations including: easy mounting and alignment, reliability for extended operation, service and maintenance access and most importantly display management.

TRUE COLOUR

Bring details to life like never before using inherent colour quality and superior colour purity. A dramatic visual experience producing vibrant and natural colours.

CONTRAST

The AON Series uses state of the art technology to produce its ultimate contrast ratio. Utilising Micro LED technology allows increased space between pixels this space is then filled with black resin to create the ultimate black display face.

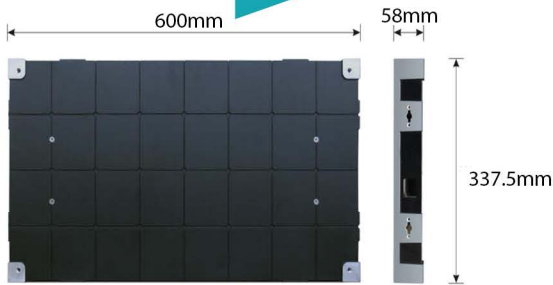





- 1,000,000 : 1 Contrast
- Crystal Black Face
- Data and Power Redundancy
- FlipChip Technology
- Common Cathode Technology
- Lower Power Consumption
- ITR™(Intelligent Tile Technology)
- Bonded Face Technology
- Controlled Blue light for eye comfort
- Flicker Free and reduced reflection
- Reduced Heat Loads (BTU)
- 5 Year + Warranty

0.7mm > 2.5mm	16:9	800-1200 nits	3840 Hz	5 Year Warranty	BLUE LIGHT EYE COMFORT	EASY INSTALL	178° WIDE VIEW	LOW NOISE
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MODULAR	FLIPCHIP SMD	CRYSTAL FACE	API CONTROL	24/7 OPERATION	SCALABLE	HDR COMPATIBLE	3D READY
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Product Specifications
PIXON-63D12G
 AON Series



16 bit colour depth		Rec.709 wide colour gamut
1200 nits		UP TO 30% energy saving
10,000:1		contrast ratio for true blacks and bright whites

PRODUCT SPECIFICATIONS	
Product Name	PIXON-63D12G
Type of Product	Front maintenance die-casting aluminium cabinet
PIXEL PARAMETERS	
LED Type	FlipChip SMD
Pixel Pitch	1.25mm
Pixel Composition	1R1G1B
PARAMETERS OF LED MODULE	
Resolution (W x H)	240 x 135
Size of Module (W x H)	300mm x 168.75mm
Bonded Face Technology	Yes
PARAMETERS OF LED CABINET	
Resolution (W x H)	480 x 270
Module Arrangement	2 x 2
Module Flatness	≤0.1mm
Cabinet Size (W x H x D)	600mm x 337.5mm x 58mm
Weight	7Kg/cabinet
Installation Methods	Wall Mount / Ground Mount / Hanging
TECHNICAL PARAMETERS OF LED DISPLAY SCREEN	
Pixel Density (pixel / m ²)	640,000
Brightness (nits)	800nits calibrated (maximum cabability 1,200nits)
Viewing Anle (H/V)	160°/160°
Flatness	≤0.1mm
Colour Uniformity	±0.003 Cx,Cy
Max Contrast	≥10,000:1

Product Specifications
PIXON-63D12G
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PARAMETERS OF CONTROL SYSTEM	
Processing / Colour	16 bit
Scan Mode	1/32
Repetition Frequency	60FPS 120FPS (3D)
Refresh	3840Hz
Colour Temperature	2500K ~ 10000K adjustment
Brightness Control	Manual / Automatic / Programmed control
Pixel Correction	Brightness and colour adjustment
Control Mode	Synchronization Control
Control Distance	RJ45 ≤ 120m Optical fiber ≤ 15Km
Software Interface	Windows 10
Input Signal	HDMI 2.0, 3G-SDI, DVI
OPERATION PARAMETERS	
Power Supply	Common cathode
Working Voltage	AC: 100V ~ 250V (50~60Hz)
Peak Power	≤500W/m ²
Average Consumption	80W/m ² ~ 160W/m ²
Continuous Working Hours (hrs)	≥7 x 24 hrs
MTBF (hrs)	≥10,000 hrs
LED Lifetime	100,000 hrs
Malfuction Pixel Rate	≤0.0001
Operation Temperature / Humidity	-20°C ~ +60°C / 10 ~ 90%RH
Storage Temperature / Humidity	-40°C ~ +60°C / 10 ~ 80%RH
Video Wall Control	Ethernet / RS232, 3rd Party API Interface (Creston, AMX Modules)



**Control Rooms
Command Centres
Collaborative Spaces**

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