28-inch 4K Ultra HD Professional Monitor for Rich Details

AOC's 4K Ultra HD display is here. U2868PQU is a 28-inch professional monitor with 3840 x 2160 Ultra HD Resolution, four times the resolution of a Full HD display that takes delivering clear crisp images to the next level. The professional display also boasts 1ms (gray-to-gray) response time and 70,000,000:1 mega dynamic contrast ratio. This 4K professional display also boasts flexibility in viewing and connections. So whether you are a designer, gamer, photographer, or someone who needs rich detail, AOC's U2868PQU will deliver exactly that.

Key Features

- 28" 4K 3840 x 2160 Ultra HD Resolution
- Fast 1ms response time and over 1 billion colors for rich details
- VGA, DVI with HDCP, HDMI (MHL), Display Port, USB 2.0 (2x), USB 3.0 (2x) connectivity
- Fully adjustable tilt, swivel, pivot, height adjustments
- Narrow border design with sleek hairline texture, featuring two 3-watt speakers

AOC

Conventional Full HD Monitor
(1920 x 1080)
= 2.073.600 pixels

AOC 28" UHD U2868PQU
(3840 x 2160)
= 8.294.400 pixels

Ultra High Definition and High Pixel Density

AOC's U2868PQU features a 28-inch professional, high-quality, non-glare TN panel for fast refresh. Ultra High Definition (UHD) allows users to see more on the screen at one time; it gives more 'real estate' and also shows more detail for sharper and more brilliant images. A 4K (3840 x 2160) resolution is four times a Full HD (1920 x 1080) resolution. Whether working on the next beautiful photo, design, or even just for productivity, users will appreciate the true crisp image from a UHD display.

Over 1 Billion Colors

U2868PQU "10-bit" panel (8-bit + FRC) boasts 1.07 billion colors. The Frame-Rate-Control (FRC) technology is used to enhance the color depth of the 8-bit panel and boosting the normal 16.7 million colors foud in most displays, to 1.07 billion colors. More colors means the panel can present more depth and richer color, producing more colorful and vivid images.

Rich in Details for Work and Entertainment

For designers, the high definition, high pixel density provides great details for precision work such as architecture design. With the UHD resolution and large screen, CAD designers can see the big picture, spend less time scrolling in and out, and accomplish more. If you are a gamer looking to dominate or to enjoy ultimate gaming experience, the 4K resolution and 1ms fast response time will deliver.

Sleek and Attractive Design with Full Adjustability

Detail and attention was placed on the design of the 68 Series. This series is designed for professional-grade usage, built to be very stable yet visually appealing. The display comes with black hairline texture in the front and matte in the back. The extra narrow bezel gives it a widescreen look, while the touch buttons are printed at the bottom-right for easy access. The two 3-watt speakers are located on the underside of the bottom bezel and nicely concealed. U2868PQU has 130mm height adjustment, 90-degree pivot, tilt, and swivel functions. The 4K display is also VESA 100mm wall-mount compatible.

Connectivity and Features You Need in a Monitor

U2868PQU features VGA, DVI with HDCP, HDMI (MHL), Display Port connections, with two USB 2.0 ports on the back and two USB 3.0 ports on the side. With MHL-enabled HDMI connection, you can connect your smart device to your monitor to simultaneously charge and stream your mobile multimedia on to the bigger 28" 4K display with two 3-watt speakers. With PIP (Picture in Picture) and PBP (Picture by Picture) capability, you can view multiple input sources on one screen at a time.

U2868PQU Specification

Cabinet Color	Black with Hairline Texture in the front and matte in the back
Panel	TFT Active Matrix, LED Backlight 28" Class Widescreen, 16:9 Aspect Ratio 28" Viewable Image Size, Diagonal
Pixel Pitch	0.16 (H) mm x 0.16 (v) mm
Display Area	620.9 mm x 341.2 mm
Brightness	300 cd/m2 (typ)
Contrast Ratio	70,000,000:1 (dynamic)
Response Time	1ms (gtg)
Viewing Angle	Horizontal: 170 Degrees (CR>10) Vertical: 160 Degrees (CR>10)
Scanning Frequency	Horizontal: 30K~99KHz Vertical: 50~75 Hz
Optimal Resolution Recommended	3840x2160@60Hz 3840x2160@60Hz
Supported Resolutions	640x480@60/67/72/75Hz, 800x600@56/60/72/75Hz, 1024x768@60/70/72/75Hz, 1280x720@60Hz, 1280x960@60Hz, 1440x900@60Hz, 1680x1050@60Hz, 1920x1080@60Hz, 2560x1440@60Hz, 3840x2160@30Hz/60Hz
Color Depth	1.073 Billion colors
Connectors	1 x VGA, 1 x pin DVI with HDCP, 1 x HDMI (MHL), 1 x Display Port 2 x USB 2.0, 2 x USB 3.0
Built-In Speakers	3W x 2
User Control	Source/Auto/Exit, ECO/DCR/+, 4:3/Wide/+, Menu/Enter, Power
Adjustability	Tilt: -3.5°±1.5°~+21.5±1.5°, Pivot: 90°, Height Adjustment: 130 mm
OSD Languages	16 Languages including English, French and Spanish
Power Source	Universal 110~240VAC, 50/60Hz
Power Consumption	Power On: <95W (Max), Standby: <0.5W
Regulations	cTUVus, CE, FCC, RoHS, EPA Energy Star®, EPEAT® Silver Windows 8 compatible
Other Features	Extra Narrow Bezel, HA 130mm, VESA 100mm Wall Mount Compliant, AOC's eSaver Software, i-Menu Software
Dimensions (WxHxD mm)	Monitor: 658.9 x 560 x 245 Carton: 689.3 x 394.8 x 169
Dimensions (WxHxD inches)	Monitor: 25.9 x 22.05 x 9.65 Carton: 27.14 x 15.54 x 6.65
Weight (Net)	17.5 lbs (7.9 kgs) Net
Weight (Gross)	24.13 lbs (10.95 kgs) Gross
Loading Qty w/pallet	20' = 280 pcs.; 40' Std = 600 pcs.
UPC Code	685417083787
What's in the Box	28" Monitor, stand and base, Power Adapter, Power Cord, VGA Cable, Audio cable, DVI cable, DP cable, Audio cable, USB cable, Media (includes drivers, AOC Software, User's Manual, Warranty)

1. Wall mount arm & bracket not included. Actual product may vary from image shown on datasheet. The information contained herein is subject to change without notice. AOC shall not be liable for technical or editorial errors or omissions contained herein. All other trademarks are property of their respective owners. For more information, visit us.aoc.om or call 888-838-6388