

IQAir AirVisual Pro



The AirVisual Pro is a high-accuracy, comprehensive air monitor, providing real-time measurements of PM2.5, CO2, temperature and humidity, and instant comparison of indoor and outdoor conditions via a clear 5" display screen.

As a Wi-Fi enabled and battery-powered device with data-logging capacity, and features and functionality specifically engineered for corporate applications, the Pro is ideal for building-wide, and mobile monitoring. It displays its data via a clear LED screen as well as remotely through the AirVisual app, website, customizable widgets and API.

The Pro benefits from an integrated platform with a global air quality dataset, reporting data for 9,000+ cities globally. It is the only air monitor to provide 3 day air quality forecasts, real-time and historic outdoor data, and plain text recommendations based on factors across the two

Leading technology at your fingertips

Fine particulate matter is measured using an advanced light-scattering laser photo-sensor. The sensor's calibration function automatically compensates for changes in temperature and humidity, while the Pro's internal CPU applies artificial intelligence to eliminate outlying data points. Air-flow control fans carefully monitor air intake to ensure stable, reliable readings and improved durability, extending the lifespan of the sensor. The PM2.5 laser sensor is quiet, reliably creating zero disturbance.

The AirVisual Pro is an ideal monitoring device for applications in industrial/occupational air quality surveys, indoor air quality management and outdoor environmental monitoring.

Features & benefits

- Bright 5" display compares indoor readings with outdoor data, from the nearest official station.*
- Intuitive historical graphs for indoor and outdoor AQI, and CO2
- Three-day air quality forecasts driven by in-house artificial intelligence
- Outdoor weather data and forecast display
- Supplemental crowd-sourced map
- Tailored recommendations based on indoor and outdoor environments
- Free API access
- Option to publicize outdoor data
- Internal battery
- Website widget
- Integrated ecosystem servicing data access across the app, website and API

*Outdoor pollution data available for select locations, see airvisual.com/world for availability

Specifications

Physical	Size	Weight	Screen	Operational Range
	10 x 8.2 x 18.4 cm	670g	5" LED screen; 800x480 pixels; True color	0-40°C
Electrical	Power Inputs		Battery	
	Micro-USB charging cable 5V, 1A minimum Over-current protection for 3A Auto boot with power		Rechargeable Lithium-Ion battery 1900 mAh; 3-8 hours [depending on settings]	
Hardware	Sensors	Particulate Matter	Carbon Dioxide	
		Light scattering photo-sensor American & Chinese AQI output PM2.5: 0.3µm to 2.5µm PM10: 0.3µm to 10µm Concentration range: 0 to 1,798µg/m ³ Accuracy: ±10% Reaction time: 5 seconds	Non-dispersive infrared sensor (NDIR) Measurement range: 0 to 10,000ppm Accuracy: ±50ppm, ±3% of reading Calibration time: 2 weeks Lifetime: 10 years Matches LEED certification requirements	
	Temperature	Humidity		
	Measurement range: -10°C to +40°C; 14°F to +104°F	Measurement range: 0 to 95% RH, non-condensing		
Wi-Fi	Connectivity	Configuration		
802.11 b/g/n 2.4ghz - WPA, WPA2, WEP High sensitivity antenna Auto-connect - unlimited Wi-Fi credentials Disable Wi-Fi feature	Configurable directly from the device, or remotely via the mobile app and AirVisual website			
Storage	Memory			
2 GB storage - sufficient for 3 years of continuous data				
Software	Data Handling	Data Download / Access		
	Hardened Linux platform suitable for enterprise network Robust cloud system with redundancy and scalability Security: encrypted data transfer	Detailed logs download with Samba protocol via Wi-Fi Access through Node API Download from AirVisual cloud*		
Time / Location				
Time synchronization from internet; IP Geo-location; Time zone detection				
Software Settings	Efficiency	Power Saving Modes	Data Acquisition Modes	
	Display	Screen Display Options	Languages	
	AQI	Unit Selection	Indoor / Outdoor	
+ Up to 2 time slots daily + Sleep mode after defined period of inactivity	+ Automatically rotate through slideshow + Manually click through slideshow + 6 levels of screen brightness	+ US or Chinese air quality indexes + Option to display PM2.5 concentration + Metric (°C) or Imperial (°F)	+ Continuous measurements + Power saving mode for optimizing sensor life + Custom mode for setting defined intervals	
Outdoor location selection from more than 9,000+ cities in 70 countries				

*Only available for Enterprise account users

