

UHD Industrial 4K family

UltraHD 3840x2160 multi-purpose industrial displays



Where performance and affordability meet, the UHD Industrial 4K displays provide pixel perfect clarity in a budget friendly industrial package!

Crystal clear vision for decisive situational awareness

For lighter duty applications where quality and performance are key at a lower cost, the UHD Industrial AK family meet the challenge. Available in UltraHD 3860x2160 resolutions, the UHD combines ScioTeq's renowned optical quality and durability on a rugged industrial platform.

As application and sensor data increases in complexity, greater pixel density is required to fully visualize the expanded content. The UHD Industrial 4K displays deliver over 8 million pixels and 1.07 billion colors for brilliant image clarity. Featuring ScioTeq's exclusive optical stack technology, the UHD-800's IPS LCD is bonded with anti-glare and anti-reflective coatings provides superior undistorted images from ultra-wide viewing angles in any lighting conditions.

Soon available in 27", 32", and 43", the UHD Industrial 4K family preserve the ScioTeq pedigree of unmatched quality, reliability, performance, and flexibility.



General specifications			
	UHD-827	UHD-832	UHD-843
Size	27"	32"	43"
Native resolution	3840 x 2160 (UHD 4K)	3840 x 2160 (UHD 4K)	3840 x 2160 (UHD 4K)
Active display area	596.7 x 335.66 mm (23.49" x 13.21")	697.31 x 392.23 mm (27.45" x 15.44")	941.18 x 529.42 mm (37.05" x 20.84")
Pixel pitch	0.1554 x 0.1554 mm	0.182 x 0.182 mm	0.2541 x 0.2541 mm
Contrast ratio (typical)	1300:1	1300:1	1000:1
Dimensions (W x H x D)	630 x 375 x 60.5 mm (24.8" x 14.76" x 2.38")	732 x 432 x 60.5 mm (28.8" x 17.0" x 2.38")	TBD
Net weight (kg)	8.5 kg (19.1 Lbs)	TBD	TBD
Power consumption (typical)	47 W	50 W	75 W
Panel type	TFT active-matrix, IPS, LED backlight		
Aspect ratio	16:9		
Pixel arrangement	RGB vertical stripes		
Color depth	1.07 Billion colors (10-bit)		
Dimming ratio (typical)	200:1 min.		
Brightness (typical)	300 cd/m ² (87,5 fL)		
Viewing angle	178°/178° (CR ≥ 10)		
Response time	14ms (gray to gray, 25°C)		
Protective front glass	Chemically strengthened anti-glare and anti-reflective coating, no ITO coating, front glass bonded to LCD panel		
Video interface connections	2x Display Port (DP 1.2a standard) 1x DVI-D (DVI 1.0 standard)		
Supported input timings	max. 3840 x 2160 @60 Hz (DP) max. 3840 x 2160 @30 Hz (DVI)		
Video composition	Multi Window mode allows for up to 12 user defineable layouts Each layout can display up to 2 video inputs simultaneously in a user defined composition		
Remote control	TBD		
Power connection	IEC plug type C6		
Power input	110 Vac and 230 Vac nominal voltage		
Voltage range	90 Vac - 264 Vac		
Frequency range	50 - 60 Hz		
Grounding	Electrical ground is connected to the chassis ground		
Mounting	Rear mount, no handles, no captive screws VESA mounting 300 x 300 mm (4 x M6 screws)		
Finish	Front bezel painted black or black anodized. Rear cover chromated, not painted		
Operating temperature	0 to +50°C (MIL-STD-810G)		
Storage temperature	-20 to +60°C (MIL-STD-810G)		
Relative humidity	MIL-STD-810F (10 cycles, 50%RH, 30-60°C)		
Vibration	MIL-STD-810G (TBD)		
Shock	MIL-STD-810G (10G - 11 ms, 3 shocks in each of the 3 orthogonal axes)		
IP Rating	Front side IPx5		
Radiated emissions magnetic field	RE-101 (MIL-STD-461G Navy applications Fig. RE 101-2)		
Radiated emissions electric field	RE-102 (MIL-STD-461G Surface ship applications, below deck Fig. RE 102-1)		
Radiated susceptibility magnetic field	RS-101 (MIL-STD-461G Navy applications Fig. RS 101-1)		
Radiated susceptibility electric field	RS-103 (MIL-STD-461G Ship metallic, below decks Table XI - 10 V/m)		
Regulatory compliance	FCC-A CE Directive EU RoHS Directive Safety standard EN62368		

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PRODUCTS ARE AVAILABLE SOON

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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