

INTERACTIVE SCREEN Avtek Touchscreen 5 Lite 65"





TouchScreen 5 Lite is a series of universal Avtek interactive screens, equipped with everything that's needed: high quality panel with UHD resolution, Android system with useful apps, slot for a built-in computer and a set of ports that allow user to connect external deviced like computers or cameras. Lite series will be a perfect fit for education where it will become a multimedia learning center in every classroom, allowing more interaction with educational content. It will also be a useful replacement for a regular TV or projector in a conference room, allowing more effective meetings and sharing of ideas.









model(diagona) 65° resolution 4K/UHD (3840×2160) display area 1428,48 mm x 803,52 mm Direct LED response time 6 ms refersh frequency 60 HZ display colors 107 bm (10bit) brightness 108 ms revining angle 178 ms contrast (typical) 4000:1 panel life time 30 000 hours protection 1838 ms TOUCH SPECS technology touch tool Finger, Finger cover by glove, Opaque objects min. object size 3 ms supported points 15 ms supported points 15 ms supported piatforms 15 ms supported platforms 15 ms supported	SCREEN DETAILS	
1428.48 mm x 803.52 mm 1428.48 mm x 803.52	model(diagonal)	65"
Dixet size (pitch) Dazklight Direct LED	resolution	4K/UHD (3840×2160)
backlight response time ferhesh frequency for the form of the form	display area	1428,48 mm × 803,52 mm
reresponse time refresh frequency display colors orightness viewing angle contrast (typical) panel life time protection glass technology function display colors touch resolution response time protection glass touch resolution response time protection glass touch resolution response time protection protection protection panel life time protection glass technology Infrared (IR) finger, Finger cover by glove, Opaque objects 3 mm supported points 20 32767 x 32767 points 15 ms protection supported points viewing angle view life with the view li	pixel size (pitch)	$0,372 \text{ mm} \times 0,372 \text{ mm}$
refresh frequency display colors 1,07 bn (10bit) brightness 300 cd/m² viewing angle 178° contrast (typical) 4000:1 panet life time protection glass 7000 hours TOUCH SPECS technology Infrared (IR) touch tool Finger, Finger cover by glove, Opaque objects min. object size 3 mm supported points 20 touch resolution 32:767 x 32:767 points response time precision 2 mm supported platforms Vindows: 10, 8.1, 8, 7, Vista, XP Linux / Mac / Android / Chrome INPUTS/OUTPUTS HDMI in 2x HDMI 2.0 (4K @ 60Hz) VGA in 1 Audio ports 1 x input / 1 x output USB ports 3 x USB 2.0 / 1 x USB 3.0 2 (shared between OPS, Android and external computer connected by USB Touch) RS232 1 LAN (RJ45) 1 shared port (for OPS and Android) Memory card 1 Avtek OPS slot V Yes (Supports 4K@60Hz)	backlight	Direct LED
display colors brightness brightness viewing angle contrast (typical) panel lifetum protection glass TOUCH SPECS technology touch tool min. object size supported points response time precision INPUTS/OUTPUTS HDMI in Audio ports INPUTS/OUTPUTS HDMI in Audio ports Including USB ports on the front USB touch INPUTS Use INPUTS (Supports 4K@60Hz) Infared (IR) Infared (response time	6 ms
viewing angle viewing angle contrast (typical) panel life time protection glass TOUCH SPECS technology touch tool min. object size supported points response time precision supported platforms INPUTS/OUTPUTS HDMI in Audio ports HDMI in Audio ports Including USB ports on the front USB touch INPUTS/OUTPUTS HOMING AVER DE SUPPORTS ON THE MERCE HOMING SUPPORTS ON THE MERCE LAN (RA245) I shared port (for OPS and Android) Memony card Avtek OPS slot Vos (Supports 4K@60Hz) Vos (Supports 4K@60Hz) Ves (Supports 4K@60Hz)	refresh frequency	60 HZ
viewing angle contrast (typical) panel life time protection glass Toughened Glass with Level 7 of Mohs Standard TOUCH SPECS technology Infrared (IR) touch tool Finger, Finger cover by glove, Opaque objects aupported points supported points touch resolution response time precision supported platforms INPUTS/OUTPUTS HDMI in Audio ports USB ports 1 x input / 1 x output 3 x WB 2.0 / 1 x USB 3.0 2 (shared between OPS, Android and external computer connected by USB Touch) INPUTS (Stapports 4 LAN (R345)) I shared port (for OPS and Android) Memory card Avtek OPS slot Yes (Supports 4K@60Hz) Yes (Supports 4K@60Hz)	display colors	1,07 bn (10bit)
contrast (typical) panel life time protection glass TOUCH SPECS technology touch tool min. object size supported points response time precision supported platforms supported platforms INPUTS/OUTPUTS HDMI in Audio ports 1 x input / 1 x output 3 x USB 2.0 / 1 x USB 3.0 2 (Shared between OPS, Android and external computer connected by USB Touch) 1 Shared 1 LAN (R345) 1 shared (IR) Finger, Finger cover by glove, Opaque objects 3 mm Finger, Finger cover by glove, Opaque objects 3 mm Windows: 10, 8.1, 8, 7 Vista, XP Linux / Mac / Android / Chrome 1 x hDMI in 1 x hDMI 2 x HDMI 2.0 (4K @ 60Hz) 2 (5hared between OPS, Android and external computer connected by USB Touch) 1 LAN (R345) 1 shared port (for OPS and Android) 1 Avtek OPS slot 1 Yes (Supports 4K@60Hz)	brightness	300 cd/m ²
panel life time protection glass TOUCH SPECS technology touch tool Finger, Finger cover by glove, Opaque objects a supported points touch resolution response the precision 2 mm Supported platforms INPUTS/OUTPUTS HDMI in Addio ports 1 x input / 1 x output USB ports on the front RS232 1 LAN (RJ45) Linux / Mac / Android / Experimental Computer connected by USB Touch) USB touch Android / Chr OPS and Android) 1 stared (IR) Finger, Finger cover by glove, Opaque objects 3 mm 20 32767 × 32767 points 415 ms 426 mm Windows: 10, 8.1, 8, 7, Vista, XP Linux / Mac / Android / Chrome Windows: 10, 8.1, 8, 7, Vista, XP Linux / Mac / Android / Chrome 1 x input / 1 x output USB 1 x input / 1 x output USB 1 x input / 1 x output USB Touch) 1 shared port (for OPS and Android) 1 stared port (for OPS and Android) 1 Yes (Supports 4K@60Hz)	viewing angle	178°
TOUCH SPECS technology touch tool min. object size supported platforms precision guardened platforms INPUTS/OUTPUTS HDMI In Audio ports 1 x input / 1 x output 1 x	contrast (typical)	4000:1
TOUCH SPECS technology touch tool Finger, Finger cover by glove, Opaque objects min. object size 3 mm supported points 20 32767 x 32767 points response time precision 2 m Windows: 10, 8.1, 8, 7, Vista, XP Linux / Mac / Android / Chrome INPUTS/OUTPUTS HDMI in Audio ports USB ports Audion ports Including USB ports on the front USB touch 1 RS232 1 LAN (RJ45) Land March Audio Date Audio Ops Solot Memory card Audio Ports Audio Ops Solot Memory card Audio Ports Audio Ops Solot VGA in Audio Ports Audi	panel life time	30 000 hours
technology touch tool Finger, Finger cover by glove, Opaque objects min. object size 3 mm supported points 20 touch resolution 32767 x 32767 points response time 415 ms precision 2 mm windows: 10, 8.1, 8, 7, Vista, XP Linux / Mac / Android / Chrome INPUTS/OUTPUTS HDMI in 2x HDMI 2.0 (4K @ 60Hz) VGA in 1 Audio ports 1x input / 1 x output USB ports 3 x USB 2.0 / 1 x USB 3.0 Including USB ports on the front USB Touch) USB touch 1 RS232 1 LAN (RJ45) 1 shared port (for OPS and Android) Memory card 1 Avtek OPS slot VSB (Supports 4K@60Hz) Yes (Supports 4K@60Hz)	protection glass	Toughened Glass with Level 7 of Mohs Standard
touch tool min. object size supported points supported points response time precision supported platforms supported platforms INPUTS/OUTPUTS HDMI in Audio ports USB ports USB ports Including USB ports on the front USB touch SR232 LAN (RJ45) Memory card Avtek OPS slot Mindows: 10, 8.1, 8, 7, Vista, XP Linux / Mac / Android / Chrome Windows: 10, 8.1, 8, 7, Vista, XP Linux / Mac / Android / Chrome 2 mm Windows: 10, 8.1, 8, 7, Vista, XP Linux / Mac / Android / Chrome 2 x HDMI 2.0 (4K @ 60Hz) 1 x input / 1 x output 3 x USB 2.0 / 1 x USB 3.0 2 (shared between OPS, Android and external computer connected by USB Touch) 1 shared port (for OPS and Android) Memory card Avtek OPS slot Yes (Supports 4K@60Hz)	TOUCH SPECS	
min. object size supported points touch resolution response time precision supported platforms INPUTS/OUTPUTS HDMI in Audio ports USB ports USB ports USB touch Including USB ports on the front USB touch RS232 LAN (RJ45) Memory card Avtek OPS slot 1 20 32767 × 32767 points 40 Windows: 10, 8.1, 8, 7, Vista, XP Linux / Mac / Android / Chrome Windows: 10, 8.1, 8, 7, Vista, XP Linux / Mac / Android / Chrome 1 2 x HDMI 2.0 (4K @ 60Hz) 1 × input / 1 × output 3 × USB 2.0 / 1 × USB 3.0 2 (shared between OPS, Android and external computer connected by USB Touch) 1 shared port (for OPS and Android) 1 × (Supports 4K@60Hz)	technology	Infrared (IR)
supported points touch resolution response time precision supported platforms INPUTS/OUTPUTS HDMI in Audio ports USB ports USB ports USB touch Including USB ports on the front USB touch INPUTS/OUTPUTS Linux / Mac / Android / Chrome 2 x HDMI 2.0 (4K @ 60Hz) 1 x input / 1 x output 3 x USB 2.0 / 1 x USB 3.0 2 (shared between OPS, Android and external computer connected by USB Touch) USB touch Including USB ports on the front USB touch Including USB ports on the front USB touch Including USB ports on the front USB touch Including USB y Including USB ports on the front USB touch Including USB y Including USB y Including USB touch Including USB y I	touch tool	Finger, Finger cover by glove, Opaque objects
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response time precision 2 mm Supported platforms Windows: 10, 8.1, 8, 7, Vista, XP Linux / Mac / Android / Chrome INPUTS/OUTPUTS HDMI in 2x HDMI 2.0 (4K @ 60Hz) VGA in 1 Audio ports 1 x input / 1 x output USB ports 3 x USB 2.0 / 1 x USB 3.0 Including USB ports on the front USB touch 1 RS232 1 LAN (RJ45) 1 shared port (for OPS and Android) Memory card 1 Avtek OPS slot Yes (Supports 4K@60Hz)	supported points	20
precision supported platforms Windows: 10, 8.1, 8, 7, Vista, XP Linux / Mac / Android / Chrome INPUTS/OUTPUTS HDMI in 2x HDMI 2.0 (4K @ 60Hz) VGA in 1 Audio ports 1 x input / 1 x output USB ports 3 x USB 2.0 / 1 x USB 3.0 Including USB ports on the front USB touch 1 RS232 1 LAN (RJ45) 1 shared port (for OPS and Android) Memory card 1 Avtek OPS slot Yes (Supports 4K@60Hz)	touch resolution	32767 × 32767 points
Windows: 10, 8.1, 8, 7, Vista, XP Linux / Mac / Android / Chrome INPUTS/OUTPUTS HDMI in	response time	<15 ms
INPUTS/OUTPUTS HDMI in	precision	2 mm
HDMI in VGA in 1 Audio ports 1 x input / 1 x output 3 x USB 2.0 / 1 x USB 3.0 Including USB ports on the front USB touch 1 RS232 1 LAN (RJ45) 1 shared port (for OPS and Android) Memory card Avtek OPS slot VGA in Audio 2 (Supports 4K@60Hz)	supported platforms	
Audio ports Audio ports USB ports USB ports 3 x USB 2.0 / 1 x USB 3.0 2 (shared between OPS, Android and external computer connected by USB Touch) USB touch RS232 LAN (RJ45) Memory card Avtek OPS slot Yes (Supports 4K@60Hz)	INPUTS/OUTPUTS	
Audio ports USB ports 3 x USB 2.0 / 1 x USB 3.0 Including USB ports on the front USB touch USB touch 1 RS232 LAN (RJ45) Memory card Avtek OPS slot 1 x input / 1 x output 3 x USB 3.0 2 (shared between OPS, Android and external computer connected by USB Touch) 1 RS232 1 LAN (RJ45) Yes (Supports 4K@60Hz)	HDMI in	2x HDMI 2.0 (4K @ 60Hz)
USB ports Including USB ports on the front USB touch USB touch I RS232 LAN (RJ45) Memory card Avtek OPS slot I USB 2.0 / 1 × USB 3.0 2 (shared between OPS, Android and external computer connected by USB Touch) 1 1 Shared port (for OPS and Android) 1 Yes (Supports 4K@60Hz)	VGA in	1
2 (shared between OPS, Android and external computer connected by USB Touch) USB touch RS232 LAN (RJ45) Memory card Avtek OPS slot 1 (shared between OPS, Android and external computer connected by USB Touch) 1 (shared between OPS, Android and external computer connected by USB Touch) 1 (shared between OPS, Android and external computer connected by USB Touch) 1 (shared between OPS, Android and external computer connected by USB Touch) 1 (shared between OPS, Android and external computer connected by USB Touch) 1 (shared between OPS, Android and external computer connected by USB Touch) 1 (shared between OPS, Android and external computer connected by USB Touch) 1 (shared between OPS, Android and external computer connected by USB Touch)	Audio ports	1 × input / 1 × output
by USB Touch) USB touch RS232 LAN (RJ45) Memory card Avtek OPS slot by USB Touch) 1 1 1 1 1 1 1 1 1 1 1 1 1	USB ports	3 × USB 2.0 / 1 × USB 3.0
RS232 1 LAN (RJ45) 1 shared port (for OPS and Android) Memory card 1 Avtek OPS slot Yes (Supports 4K@60Hz)	Including USB ports on the front	
LAN (RJ45) Memory card Avtek OPS slot 1 shared port (for OPS and Android) Yes (Supports 4K@60Hz)	USB touch	1
Memory card 1 Avtek OPS slot Yes (Supports 4K@60Hz)	RS232	1
Avtek OPS slot Yes (Supports 4K@60Hz)	LAN (RJ45)	1 shared port (for OPS and Android)
	Memory card	1
built-in speakers 2 × 10 W	Avtek OPS slot	Yes (Supports 4K@60Hz)
	built-in speakers	2 × 10 W



ANDROID MODULE SPECS		
OS version	7.0	
OS resolution	Full HD	
СРИ	ARM Cortex A73 Dual Core CPU	
GPU	Mali-450	
RAM	2 GB	
ROM	16 GB	
SOFTWARE DETAILS		
language	english/german/polish	
annotation software	Yes, Note 2.0	
annotations on all sources	Yes, two modes	
boot logo upload	Yes	
source name change	Yes	
built-in response system	Yes	
possibility to show send and show comments on the screen	Yes	
windows software compatible with built-in annotation tool	Yes, Note	
PHYSICAL SPEC		
buttons on front	1 front button / main power switch	
dimensions	1489 x 890 x 68 mm	
packaging dimensions	1669 x 1010 x 223 mm	
weight	38 kg	
gross weight	47,7 kg	
VESA standard	400 × 400	
wall-mount included	Yes	
power requirements	100 - 240 V AC / 50 or 60 Hz	
power consumption	0,5 W (stand-by) / 159 W (standard consumption) / 250 W (maximum theoretical consumption)	
noise level	38 dB	
ENVIROMENTAL CONDITIONS		
operation temperature	0°C to 40°C	
operation humidity	10% to 90%	
storage temperature	-20°C to 60°C	
storage humidity	10% to 90%	
altitude	max. 5000 m.a.s.l.	
OTHER		
diagnostic tools for quick support	Yes	
warranty	3 years (2 years LCD panel)	
accesories included	Power cord (3 m), HDMI cable (1,5m), VGA cable (3 m), USB cable (5 m), audio cable mj 3,5mm (5 m), plastic pen (3 pcs.), remote controller, quick guide, CD or flashdrive with drivers and software, WiFi USB dongle	









