



INTERACTIVE FLAT PANEL 86" V SERIES 4K

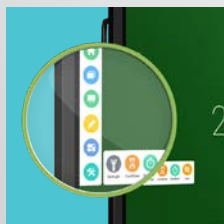
IFP 20 touch simultaneous LED 86" ULTRAHD 4K with integrated touch function, infrared technology, Android 7.0, Speaker 10Wx2 integrated.

LICENCE SOFTWARE NOTE, CONNECT, AND CAPTURE. SLOT PC INTEGRATED ONLY
COMPATIBLES WITH MINI PC SERIE HLG-MT21 AND HLG-MT43.

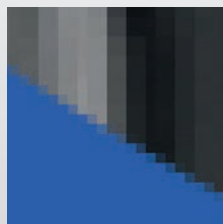
HIFPV86UIR20AAG



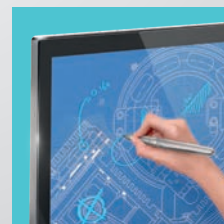
Integrated PC slot (no standard OPS; PC not included)



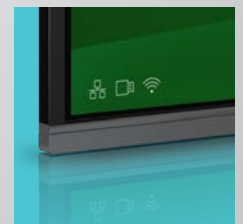
ARM Cortex A73 Dual Core CPU processor with Android 7.0



86" in 16:9 format
UltraHD 4K resolution



20 simultaneous touches of the fingers or any solid object



Equipped with 2x10W ultra-thin design audio speakers



Format 86" in 16:9
LED backlight
Anti-reflective
tempered glass with
4mm Mohs thickness 7



Resolution
Ultra HD 4K
3840x2160 pixel
Brightness
280cd/m²



1x LINE Out
2x HDMI In
1x VGA In
3x USB 2.0
1x USB 3.0



Built-in stereo speakers, 10Wx2 with an overall output power of 20W



20 simultaneous touches of the fingers (even with gloves) or any other solid object

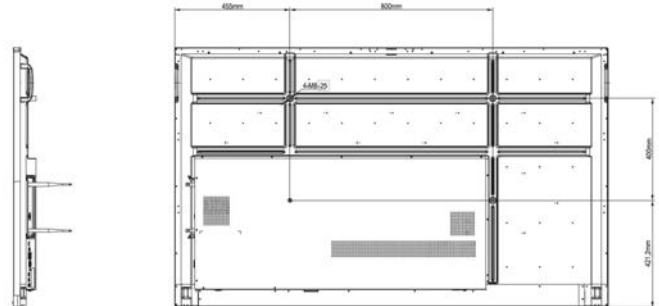
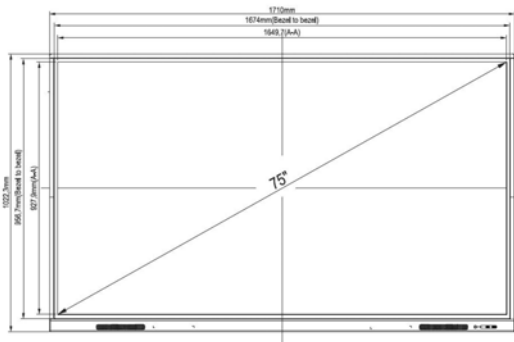


Dual Core built-in processor, 2GB RAM, 16Gb HD and Android 7.0

TECHNICAL SPECIFICATIONS

	Code	HIFPV86UIR20AAG
DISPLAY	Backlight unit	Direct type LED
	Quality	Grade A
	Display area	189 x 106 cm
	Size	86"
	Aspect ratio	16:9
	Resolution	UltraHD 4K
	Display colors	1.07 billion (10bit)
	Brightness	350 cd/m ² (Typ) / 330 cd/m ² (Min)
	Contrast	4000:1 (static) - 6.000:1 (dynamic)
	Viewing angle	178°
	Refreshing Frequency	60Hz
	Response time	6 ms
TOUCH	Touch Technology	Infrared matrix
	Driver	HID
	Touch points	20 points touch and 10 writing
	Tools	Fingers, Passive pens, Opaque objects
	Object size	≥6mm (single touch), ≥8mm (multiple touch)
	Response time	<15 ms
	Accuracy	±2 mm
	Interpolation Res.	32767 x 32767
Surface hardness	Toughened Glass with Level 7 of Mohs Standard	
Life Time	30.000 hours	

INTERFACE	Input	x2 HDMI IN, x1 VGA IN, x1 PC AUDIO IN, x1 LINE OUT, x3 USB 2.0 (x2 front), x1 USB 3.0, x1 TOUCH OUT, x1 TF Card (maximum supported capacity of 64GB), x1 RS232, x1 LAN (RJ45)
	Output	1x HDMI Out, 1x Audio Out, 1x COAX Out
Connectivity		Ethernet LAN
Audio		10W x 2
External dimension		196 x 116 x 10 cm (L x H x P)
Net weight		70 Kg
VESA		800 x 400 mm
Slot OPS		Proprietary slot for integrated PCs (no OPS standard) compatible only with HLG-MT21 and HLG-MT43 series
ANDROID OS	System version	Android 7.0
	CPU	ARM Cortex A73 Dual Core CPU
	GPU	Mali 450
	RAM	2 GB
	SSD	16 GB
Overall Power		350W
Standby Power		≤0.5W (Standby)
Accessories		1x EU / UK power cable (3m), 1x HDMI (3m), 1x VGA (5m), 1x USB (5m), 1x Audio Cable (5m), User Manual, Quick Guide, 1x Remote Control, 3x passive pens
Software included		Note (Windows + Android), Connect (Windows), Capture (Windows),
Certifications		CE, ROHS
Warranty		3 years with swap



OPTIONAL ACCESSORIES

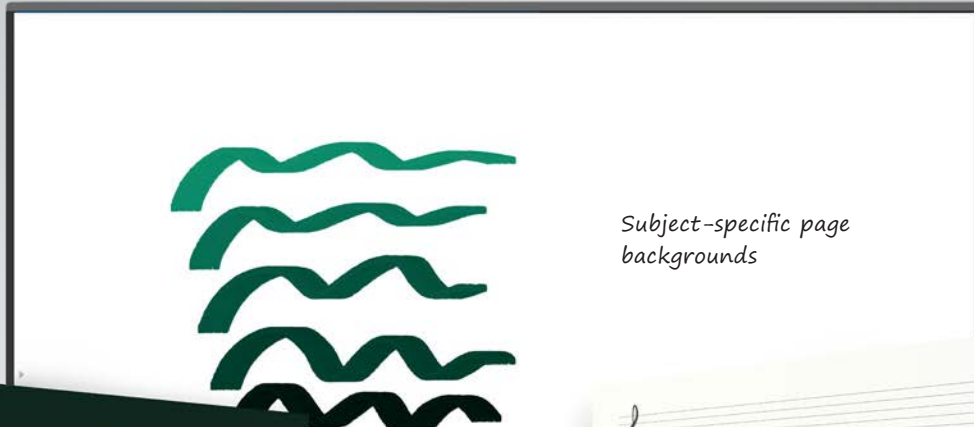


Mini PC (HELGI proprietary slot)

- HLG-MT21JW-4G-128SSD
- HLG-MT21JW-4G-128SSD-I3
- HLG-MT21JW-8G-256SSD
- HLG-MT21JW-8G-256SSD-I7

- HLG-MT43A-4-128S-I5
- HLG-MT43A-4G-128SSD-I3
- HLG-MT43A-4G-128SSD-I5
- HLG-MT43A-8-256S-I5
- HLG-MT43A-8G-256SSD-I5
- HLG-MT43A-8G-256SSD-I7

Writing and drawing tools palette, with innovative touch-based color mixer

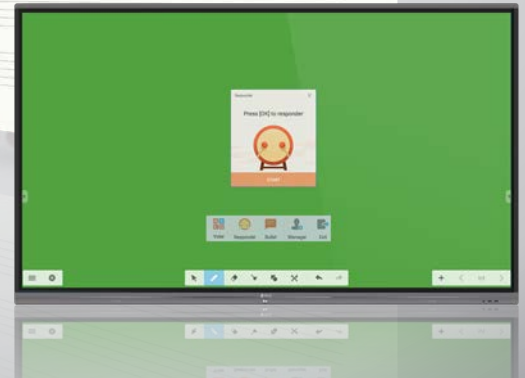


Subject-specific page backgrounds



Cloud sharing of files with direct connection to Google Drive and OneDrive

Free App (iOS and Android) for testing and assessment the students straight on their devices



NOTE

BUILT-IN ANDROID LESSON AND PRESENTATION SOFTWARE

Clean, user-friendly interface

The Android sidebar is always accessible, even while working on Windows. Available tools: Quick note, Screen annotation with colored pen, Screen capture, Spotlight, Countdown, Timer

Standard drawing tools

Pen, brush, eraser, page cleaner, geometric shapes

Artistic drawing tools

Pen, pencil, flat brush, fine brush, fountain pen, eraser
Dynamic color mixer with touch support
Color picker

File export

Image (.jpg)
PDF (.pdf)
Standard Vector Graphics (.svg)
BECTA CFF (.iwb)
Cloud sharing of lessons on cloud storage (Google Drive and OneDrive)

Workspace

Unlimited number of pages with page browser
Page background setting (color or image)

Access to system files or USB:

Documents (.ppt, .pptx, .doc, .docx, .xls, .xlsx, .pdf)

Note lessons

Images (.jpg, .jpeg, .png, .bmp, .gif)

Media (.avi, .asf, .wmv, .m2t, .mp4, .vob, .mkv, .divx, .xvid, .mov, .ssif, .mpeg, .mpe, and .m3u)

File search feature

Video capture

Direct connection to webcam, visualizer, document camera etc. with annotation on the captured images

Air Class

Up to 30 students can get involved in test and assessment activities (multiple or single answer) with the free App downloadable from AppStore (iOS devices) and GooglePlay (Android devices)

Quick access via QR code scan

Multiple or single answer testing

Tracking system to check the students who gave their answer

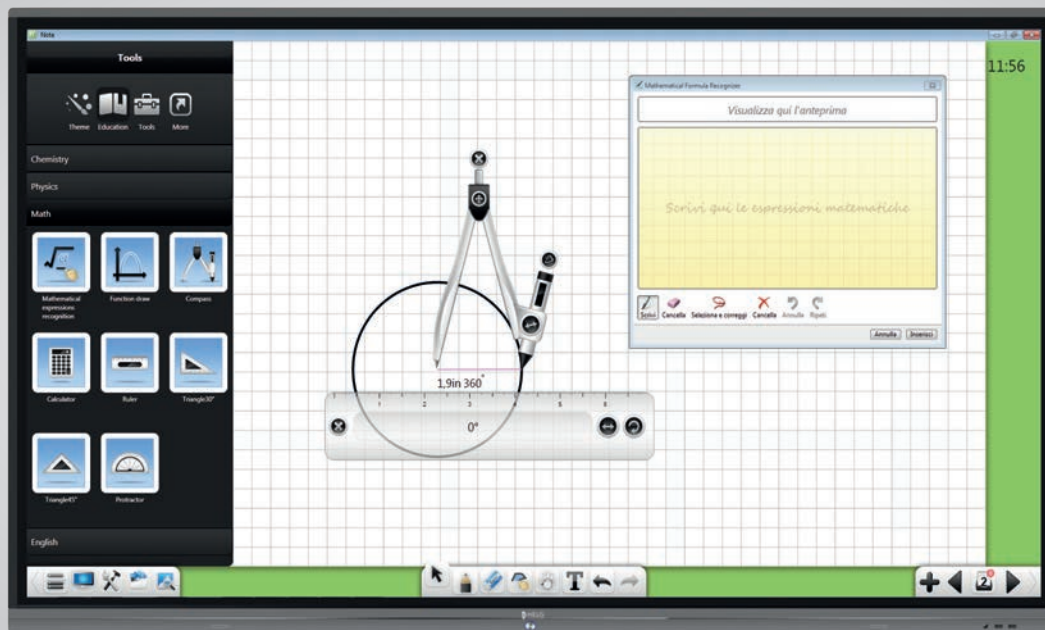
The results are displayed at the end of the assessment as a chart

Text messages can be sent from the students' devices to the monitor

Wide library of tools and widgets

Unlimited workspace with a lot of customization options

Subject-based tools



Annotation tools to work over any desktop application

Clear and user-friendly interface

NOTE LESSON AND PRESENTATION SOFTWARE



Clear, user-friendly interface

Multimedia file import

Image (.bmp, .jpg, .png, .ico, .cur, .gif)
 Video (.wmv, .avi, .mp4, .rmvb, .rm, .mov, .f4v, .asf, .mpg, .3pg, .mkv, .mpeg, .ts, .vob)

Audio (.wav, .wma, .mp3, .mid)

Flash (.swf)

PDF (.pdf)

Text (.txt)

PowerPoint (.ppt, .pptx)

Note (.enb)

Export

Image (.png)

Word (.docx)

PowerPoint (.pptx)

PDF (.pdf)

Text-to-speech

Auto save

Auto update

PowerPoint presentation tool

Three different workspaces

Presentation

Creation

Screen annotation

Page themes

Subject-based tools

Chemistry (Atomic Structure, Periodic Table of Elements, Beaker, Erlenmeyer Fiascafe, Gas Bottle, Bacinella, Test Tubes, U-tube, Fiasca, Distillation Fiasca, Acid Burette, Burette, Funnel, Ball Hopper, Tripod, ,

Drying Tube, Condensing Tube, Rubber Hose, Horn Tubing, Glass Tube, Catheter, Alcohol Lamp, Thermometer, Tube Base, Becker Base, Gas Generator, Separator Funnel, Libra
 Physics (Ammeter, Bulb, Power Supply, Switch, Voltter, Rheostat, Physical
 Mathematics (Recognition of Mathematical Formulas, Function Chart, Compass, Calculator, Ruler, Team 30 °, Team 45 °, Goniometer)

Generic tools

Integrated Browser, Annotation Board, Clock, Calendar, Magnifying Glass, Trend, Reflector, Stopwatch, Webcam Connection, Document Camera etc. With Live Annotation, Screen Cutout, Conceptual Map

Drawing tools

Pencil, Flat Tip Brush, Highlighter, Fine Tip Brush, Laser Pointer, Stamps, Texture, Smart Rubber, Geometric Forms Recognition, 2D Geometric Shapes, 3D Geometric Shapes, polygonal drawing

Workspace

Unlimited workspace area

Subject-based presets

(Math, Writing, Physics, Chemistry, Annotation)

Customizable Resource Bank

Page arrangement in folders and sub-folders

Hyperlinks

File

Web pages

Text annotations

Lesson pages

Audio files

Note software tools

Supported operating systems

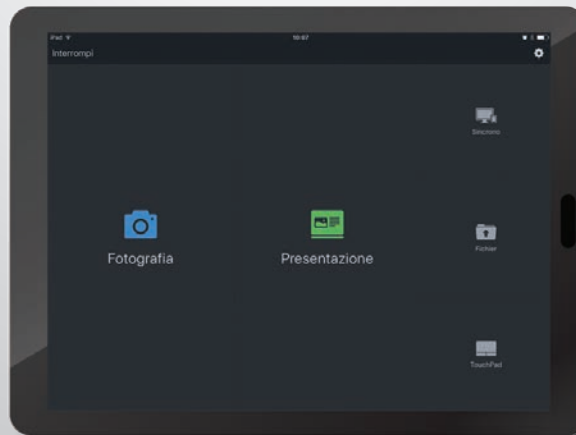
Windows 7, 8, 8.1, 10



Connection via QR code

Share images real-time from the device to the PC monitor

Share and control PowerPoint and Note presentations from the device



Mirroring from the monitor to the tablet and from the tablet to the PC monitor

Share files from the device to the PC monitor

Use the device as a touchpad to remotely control the PC monitor

CONNECT MIRRORING AND SHARING



Supported operating systems

Monitor: Windows 7, 8, 8.1, 10 via miniPC or external PC

Device: iOS e Android

Mobile application download

From App Store and Google Play with direct link via QR code

Connection to the monitor

The HELGI monitor MUST be connected to a compatible miniPC or an external PC. Via WiFi (the PC monitor and the devices need to be connected to the same WiFi network) and QR code scan Password-protected access (optional)

PC as WiFi hotspot feature (optional)

Automatic saving of the connections for quick access

Features

Photo: shoot a photo, scan a document and send to the monitor

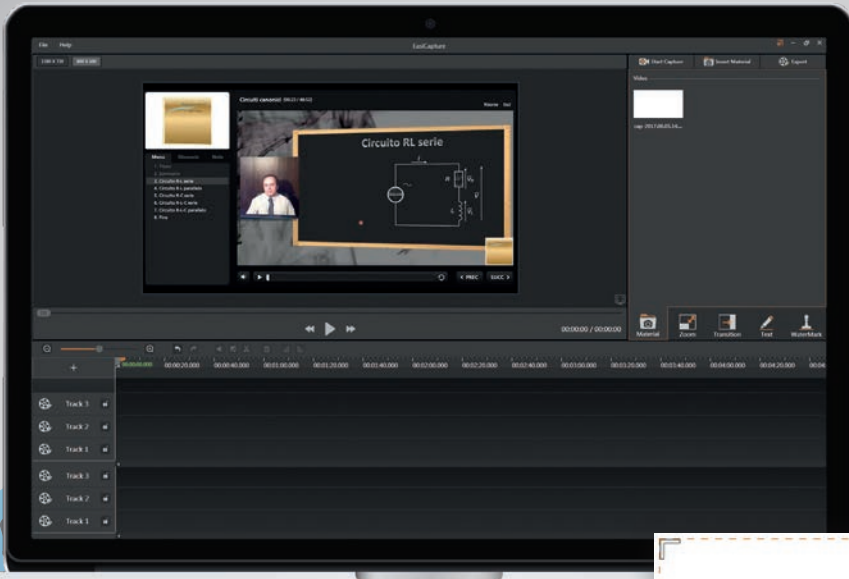
Presentation: control the PowerPoint / Note presentations from the device

Monitor to device mirroring: show on the device the monitor content and get remote control over it. Available tools: keyboard, colored pen for real time annotation

Device to monitor mirroring: show the device content on the monitor.

Upload: send one or more images from the device photo library to the monitor. Available tools: spotlight, zoom, colored pen for real time annotation, image rotation, image browser

TouchPad: use the device as a notebook trackpad to gain remote control of the monitor, with touch and left/right button inputs



Audio and video editing software with multi-track timeline, cut and moving clip feature, local multimedia library access, text insertion, watermark, zoom and transitions



Audio and video recording software from external peripherals (such as webcam or document camera) or straight from the desktop, with capture area customization and audio source selection (microphone or system audio)

CAPTURE

VIDEO LESSONS RECORDING & EDITING



EasiCapture is a complete software for audio-video recording and editing of lessons, video tutorials, podcasts and videocasts. EasiCapture is an extremely powerful, flexible and easy-to-use solution designed for teachers who want to work innovatively - for example with a "flipped classroom" approach - and for the whole class when it's time to make videos and Movies of any kind.

Video capture

- Screen capture
- External source capture (webcam, document camera etc.)
- Full screen capture
- Screen slice capture

Synchronous audio capture

- Microphone audio source
- External audio source
- System audio recording

Video editing

- Unlimited tracks
- Clip cutting
- Audio track separation
- Video library
- Zoom and transitions
- Text insertion
- Watermark
- External file import (images, audio etc.)
- .mp4 file export



HELGI

THE DIGITAL COURTYARD

HELGI Europe
education@helgi-europe.com
business@helgi-europe.com
www.helgi-europe.com