



INTERACTIVE FLAT PANEL HELGI 86" C SERIES 4K

UltraHD/4K resolution, zero gap bonding for a seamless 20-touch experience, embedded Android 8.0 Operating System, 2x 16W speakers, support for two interactive pens writing in different colors. Note, Connect, Capture software included. Mini PC slot compatible with HELGI mini PCs only.

IFPC861R20AG2

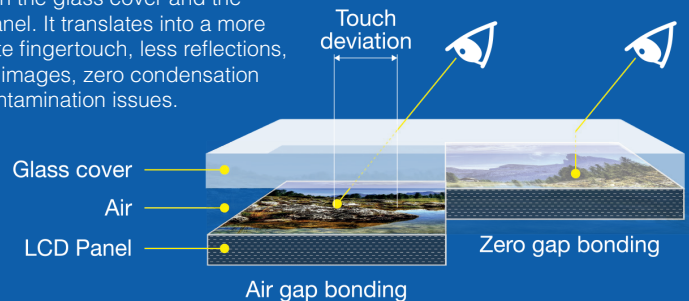


86" **4K**

Interactive touch panel with 86" format in 16:9. LED lighting technology with Ultra HD 4K resolution (3840x2160p) and 350cd/m2 brightness. Anti-reflective tempered glass with 4mm Mohs thickness 7.

WHAT DOES 'ZERO GAP BONDING' MEAN?

Basically, that there's no air gap between the glass cover and the LCD panel. It translates into a more accurate fingertouch, less reflections, clearer images, zero condensation and contamination issues.



20 TOUCH

10 WRITE

2 COLORS

20 simultaneous touches of the fingers (even with gloves) or any other solid object. Possibility of simultaneous writing up to 10 points. Write in two different colors with the appropriate pens.

HDMI 2.0

1x HDMI Out
1x HDMI 2.0 In
2x HDMI 1.4 In
3x USB 2.0
3x USB 3.0

16Wx2

Built-in stereo speakers, 16Wx2 with an overall output power of 32W

Android 8.0

Quad Core built-in processor, 3GB RAM, 16Gb HD and Android 8.0

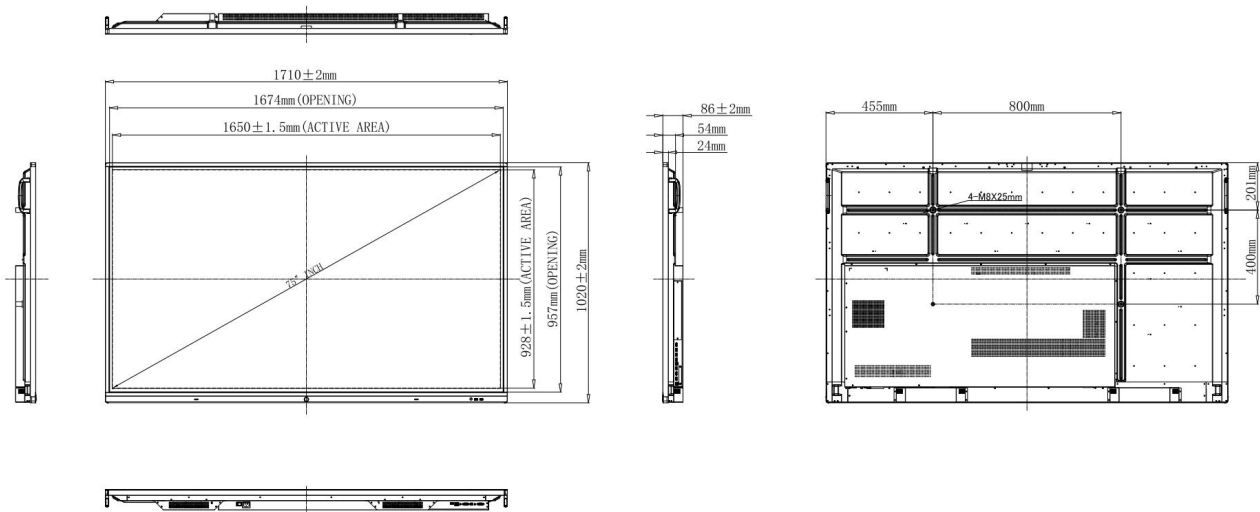
PC SLOT

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

TECHNICAL SPECIFICATIONS

Code	IFPC86IR20AG2	
DISPLAY	Backlight unit	Direct type LED
	Quality	Grade A
	Display area	1896(H) x 1066(V) mm
	Size	86"
	Aspect ratio	16:9
	Resolution	UltraHD 4K
	Display colors	1.07 billion (10 bit)
	Brightness	350 cd/m ² (Typ) / 300 cd/m ² (Min)
	Contrast	1.200:1 (static) - 6.000:1 (dynamic)
	Viewing angle	178°
	Refreshing Frequency	60Hz
	Response time	8 ms (Typ)
	TOUCH	Touch Technology
Driver		HID
Touch points		20 points touch and 10 writing
Tools		Fingers, Passive pens, Opaque objects
Object size		3mm min.
Response time		< 8 ms
Accuracy		< 1.5 mm
Interpolation Res.		32768 x 32768
Surface hardness	Toughened Glass with Level 7 of Mohs Standard	
Life Time	30.000 hours	

INTERFACE	Input	3x HDMI IN, x1 VGA IN, 1x Audio IN, 3x USB 2.0 (x2 front panel, x1 rear panel), 2x USB 3.0, 2x Touch OUT, x1 SPDIF, 1x LAN (RJ45), 1x RS23
	Output	1x HDMI OUT, 1x Audio OUT
Connectivity		Integrated Wi-Fi and Bluetooth module
Audio		16W x 2 (Stereo 2.0)
External dimension		195,7 x 116 x 8,6 cm (L x H x P)
Net weight		64,6 Kg
VESA		800 x 400
Slot OPS		Proprietary slot for integrated PCs (no OPS standard) compatible only with HLG-MT21 and HLG-MT43 series
ANDROID OS	System version	Android 8.0
	CPU	Dual core A73+ Dual core A53
	GPU	Quad core Mali G51
	RAM	3 GB
	SSD	16 GB
	Overall Power	550W
Standby Power		≤0.5W (Standby)
Accessories		1x Power Cord EU / UK (3m), 1x HDMI (3m), 1x USB Type A-B (5m), 2 Battery AAA, Quick Start Guide, 1x Remote Control, 2x Passive pen (SW08)
Software included		Note (Windows + Android), Connect (Windows), Capture (Windows) SCREEN SHARE PRO (Windows)
Certifications		CE, RoHS
Warranty		3 years with swap



OPTIONAL ACCESSORIES

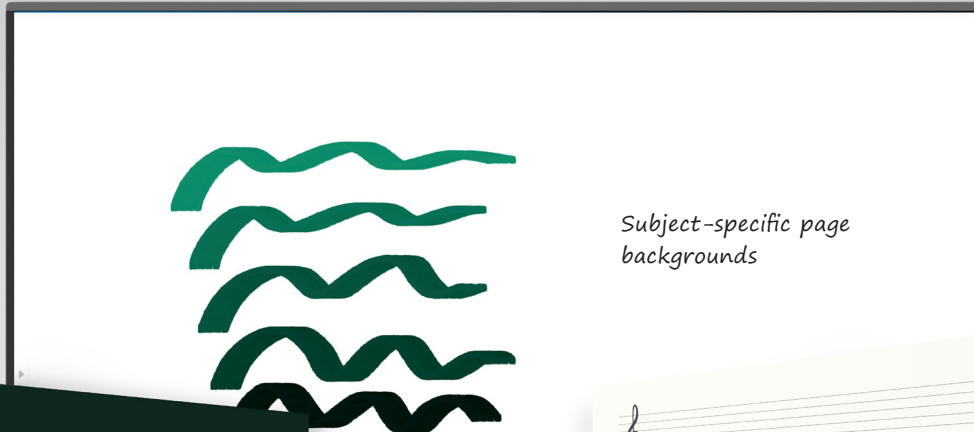


Mini PC (HELGI proprietary slot)

- 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

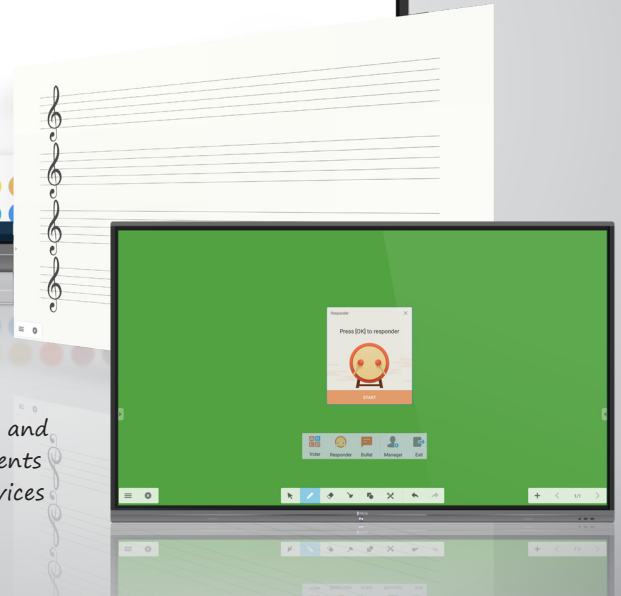


Subject-specific page backgrounds



Cloud sharing of files with direct connection to GoogleDrive 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 (GoogleDrive 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

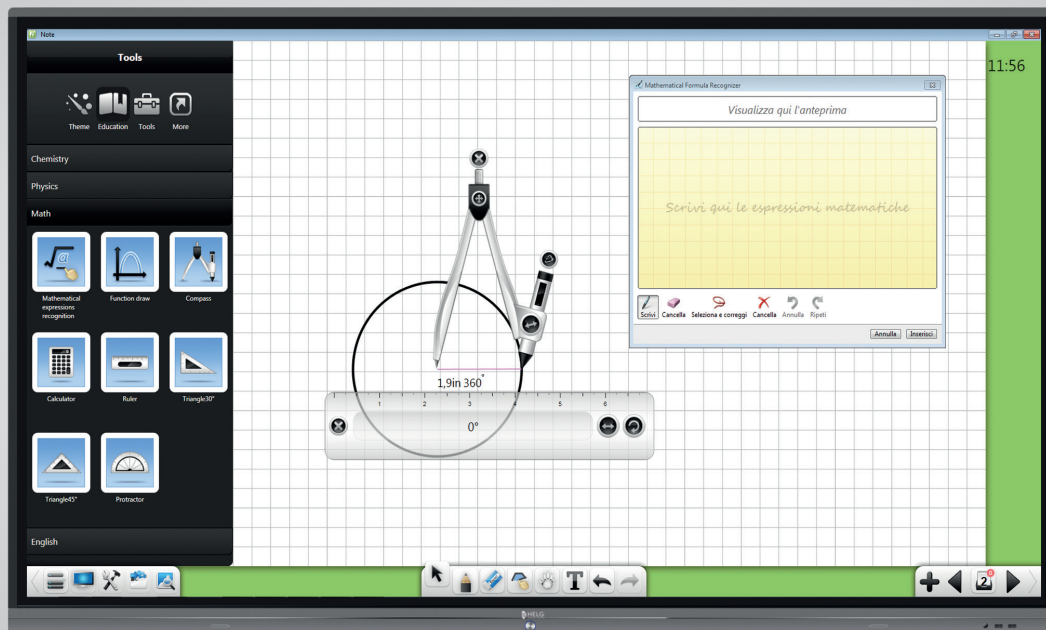
The results are displayed at the end of the assessment as a chart

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

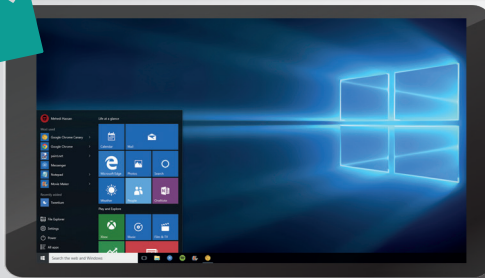
Lesson pages

Audio files

Note software tools

Supported operating systems

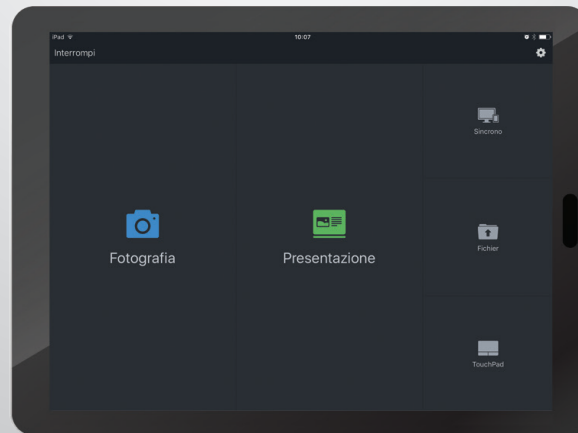
Windows 7, 8, 8.1, 10



Connection via QR code

Share images real-time from the device to the monitor

Share and control PowerPoint and Note presentations from the device



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

Share files from the device to the monitor

Use the device as a touchpad to remotely control the monitor

CONNECT MIRRORING AND SHARING



Supported operating systems

Monitor: Windows 7, 8, 8.1, 10
Device: iOS and Android

Mobile application download

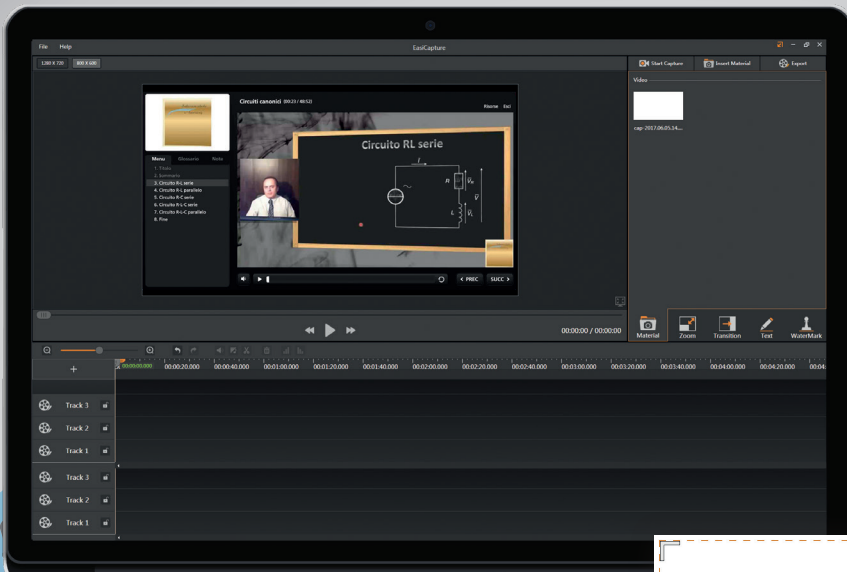
From App Store and Google Play with direct link via QR code

Connection to the monitor

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

SCREEN SHARE PRO



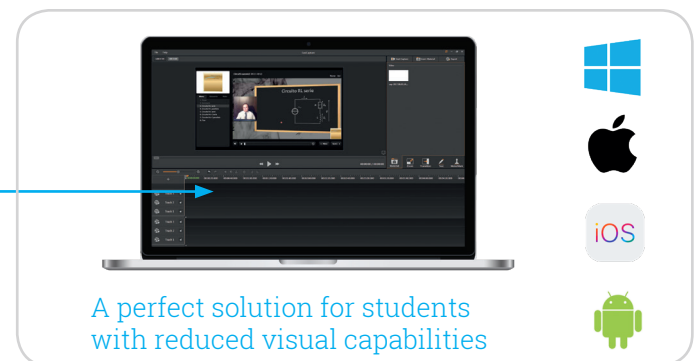
ScreenShare Pro is a mirroring, sharing and multidevice collaboration. The (perpetual) license allows activation the ScreenShare server app on the Android OS native to the monitors interactive and does not limit the number of device clients (Windows, MacOS, Linux, iOS and Android) that can be connected to it using the same WiFi network. Among the main functions, ScreenShare Pro allows to perform bidirectional mirroring (from server to

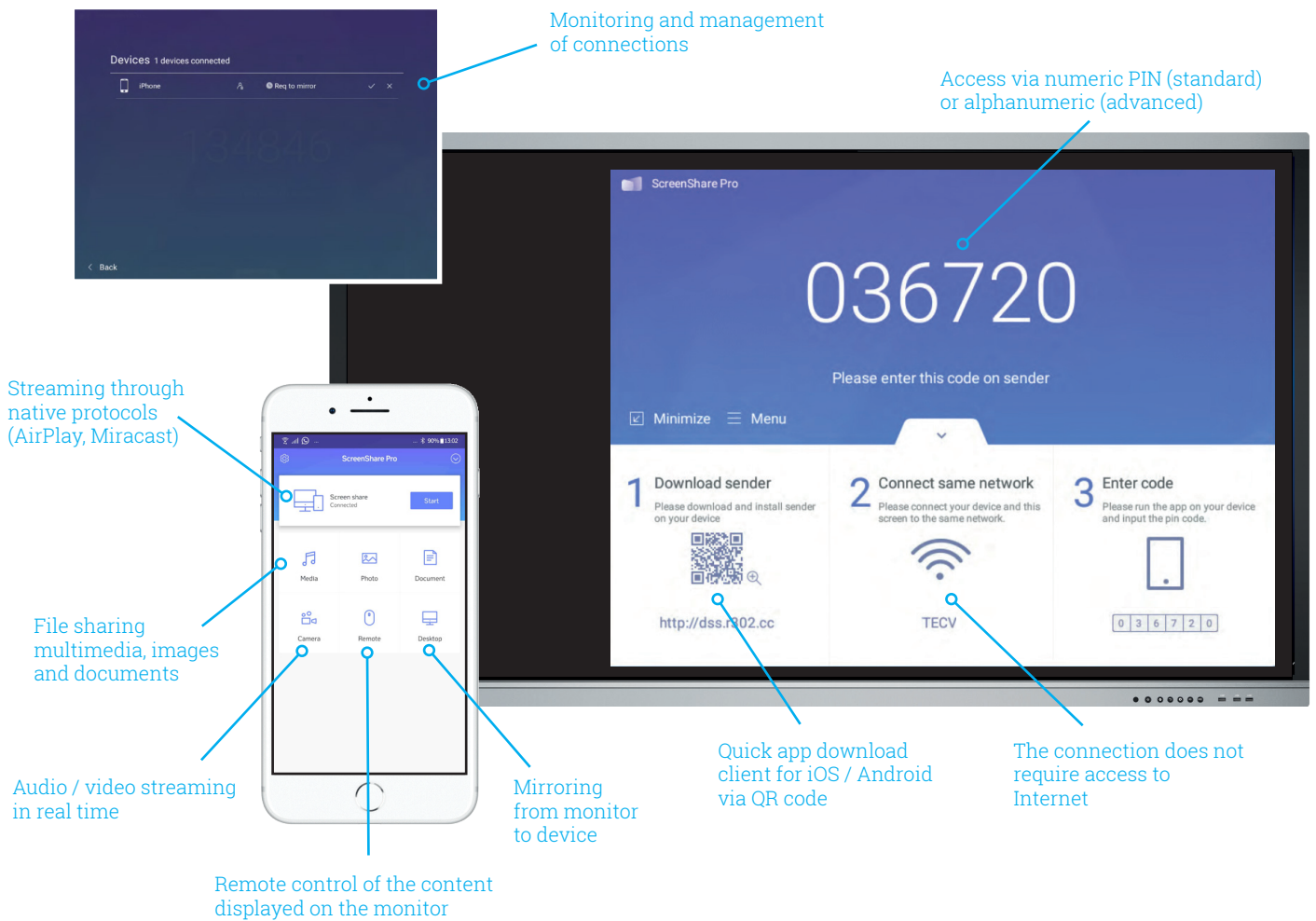
client and from client to server, in split-screen mode up to a maximum of 4 connected devices simultaneously), remote control of Windows, MacOS and Linux devices via touch input from the monitor - becoming a perfect solution for the wireless management of the interactive monitor - sending image, audio and real-time video from client to server, annotation on shared documents.

Mirroring from device to IFP (max 4 devices simultaneously)



Mirroring from IFP to device (max 1 device)





Monitoring and management of connections

Access via numeric PIN (standard) or alphanumeric (advanced)

Streaming through native protocols (AirPlay, Miracast)

File sharing multimedia, images and documents

Audio / video streaming in real time

Mirroring from monitor to device

Remote control of the content displayed on the monitor

Quick app download client for iOS / Android via QR code

The connection does not require access to Internet

Technical Specifications

Type of license	Perpetual, to be activated on the Android OS of the monitor upon installation of the .apk server file	
Compatibility	Android (IFP Server), Windows, MacOS, Android, iOS (client device)	
Connection	WiFi on the same network (does not require Internet access)	
Access	By numeric PIN	
Safety	Display of client devices connected via Master Mode. Possibility to accept / reject connection requests and disconnect devices. Possibility to define the refresh rate of the connection PIN. Possibility to activate the advanced connection via alphanumeric PIN.	
Split screen	Possibility of displaying up to a maximum of 4 devices connected simultaneously on the same screen; + function to bring a device to full screen	
Presentations	Support for PowerPoint slide, KeyNote, PDF management; drawing tools and real-time annotation on presentations, virtual laser pointer	
Client tools	iOS, Android	Sharing media files (audio and video) from local library
		Photo sharing from local library
		Sharing documents from local library
		Streaming audio / video sharing from the device's camera
		Remote control of the contents displayed on the monitor (one client device at a time; possibility to choose between interaction via touchpad mode or motion mode. Supported commands: left click, right click, drag & drop, on-screen keyboard)
		Mirroring from monitor to device with remote control of the contents displayed on the monitor (up to a maximum of 4 devices client at a time; supported commands: left click, right click, pinch and zoom, drag & drop, on-screen keyboard)
	Device to monitor mirroring via native protocols (AirPlay for iOS, Miracast for Android)	
	Windows, MacOS	Monitor-to-PC mirroring with remote control of the contents displayed on the monitor (one client PC at a time; supported commands:left click, right click, pinch and zoom, drag & drop, onscreen keyboard)
	PC to monitor mirroring with remote control of the contents displayed on the monitor via touch screen interface (up to 4 client PCs at a time; supported commands: left-click, right-click, pinch and zoom, drag & drop, on-screen keyboard)	



HELGI

THE DIGITAL COURTYARD

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