



# INTERACTIVE FLAT PANEL HELGI 65" C WI-FI SERIES 4K

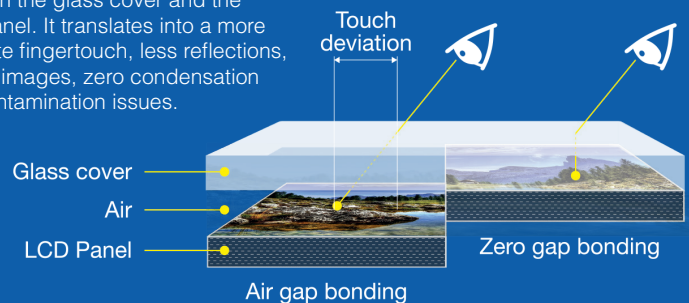
IFP 20 touch simultaneous LED 65" ULTRAHD 4K with integrated touch function, infrared technology, OPTICAL BONDING, Android 8.0, Wi-Fi, Bluetooth, Speaker 16Wx2 integrated.  
LICENCE SOFTWARE NOTE, CONNECT, CAPTURE and SCREEN SHARE PRO INCLUDED  
SLOT PC INTEGRATED ONLY COMPATIBLES WITH MINI PC SERIES HLG-MT21 AND HLG-MT43.



Interactive touch panel with 65" 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 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.



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



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



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

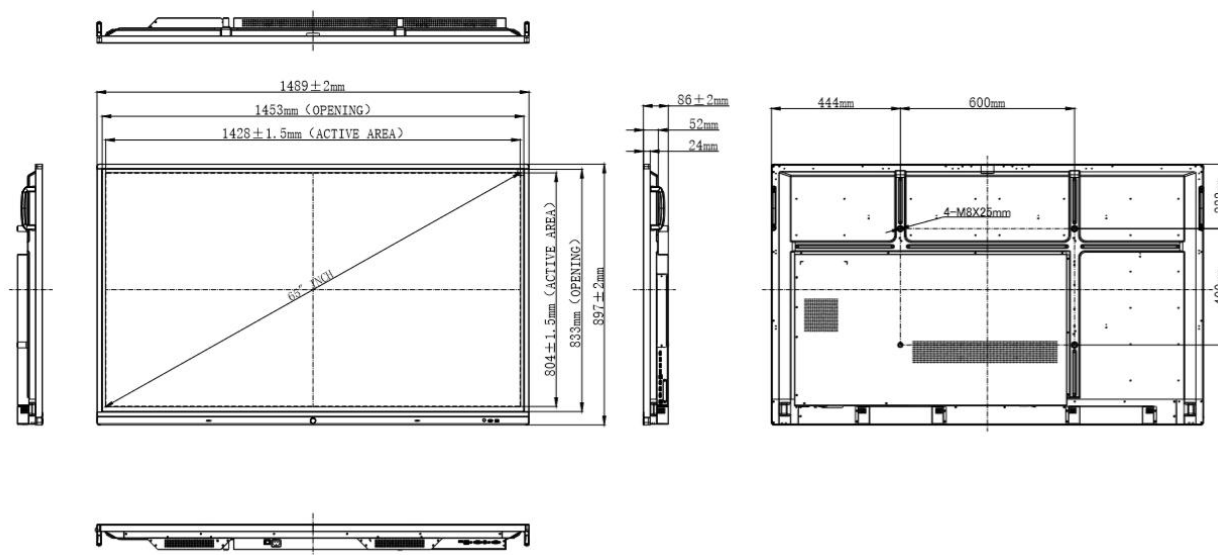


Integrated PC slot (no standard OPS; PC not included)

## TECHNICAL SPECIFICATIONS

|                         |                             |   |
|-------------------------|-----------------------------|---|
| DISPLAY                 | <b>Code</b>                 | TDC65   |
|                         | <b>Backlight unit</b>       | Direct type LED   |
|                         | <b>Quality</b>              | Grade A   |
|                         | <b>Display area</b>         | 1428(H) x 803(V) mm                                       |
|                         | <b>Size</b>                 | 65"   |
|                         | <b>Aspect ratio</b>         | 16:9  |
|                         | <b>Resolution</b>           | UltraHD 4K  |
|                         | <b>Display colors</b>       | 1.07 billion (10 bit)                                     |
|                         | <b>Brightness</b>           | 350 cd/m <sup>2</sup> (Typ) / 300 cd/m <sup>2</sup> (Min) |
|                         | <b>Contrast</b>             | 1.200:1 (static) - 6.000:1 (dynamic)                      |
|                         | <b>Viewing angle</b>        | 178°  |
|                         | <b>Refreshing Frequency</b> | 60Hz  |
|                         | <b>Response time</b>        | 8 ms (Typ)  |
| TOUCH                   | <b>Touch Technology</b>     | Infrared touch technology                                 |
|                         | <b>Driver</b>               | HID   |
|                         | <b>Touch points</b>         | 20 points touch and 10 writing                            |
|                         | <b>Tools</b>                | Fingers, Passive pens, Opaque objects                     |
|                         | <b>Object size</b>          | 3mm min.  |
|                         | <b>Response time</b>        | < 8 ms  |
|                         | <b>Accuracy</b>             | < 1.5 mm  |
|                         | <b>Interpolation Res.</b>   | 32768 x 32768   |
| <b>Surface hardness</b> |                             | Toughened Glass with Level 7 of Mohs Standard             |
| <b>Life Time</b>        |                             | 30.000 hours  |

|                           |                       |  |
|---------------------------|-----------------------|--|
| INTERFACE                 | <b>Input</b>          | 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 |
|                           | <b>Output</b>         | 1x HDMI OUT, 1x Audio OUT  |
| <b>Connectivity</b>       |                       | Integrated Wi-Fi and Bluetooth module  |
| <b>Audio</b>              |                       | 16W x 2 (Stereo 2.0)   |
| <b>External dimension</b> |                       | 148,9 x 89,7 x 8,6 cm (W x H x D)  |
| <b>Net weight</b>         |                       | 40,2 Kg  |
| <b>VESA</b>               |                       | 600 x 400  |
| <b>Slot OPS</b>           |                       | Proprietary slot for integrated PCs (no OPS standard) compatible only with HLG-MT21 and HLG-MT43 series                                    |
| ANDROID OS                | <b>System version</b> | Android 8.0  |
|                           | <b>CPU</b>            | Dual core A73+ Dual core A53   |
|                           | <b>GPU</b>            | Quad core Mali G51   |
|                           | <b>RAM</b>            | 3 GB   |
|                           | <b>SSD</b>            | 16 GB  |
| <b>Overall Power</b>      |                       | 350W   |
| <b>Standby Power</b>      |                       | ≤0.5W  |
| <b>Accessories</b>        |                       | 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) |
| <b>Software included</b>  |                       | Note (Windows + Android), Connect (Windows), Capture (Windows) SCREEN SHARE PRO (Windows)  |
| <b>Certifications</b>     |                       | CE, RoHS   |
| <b>Warranty</b>           |                       | 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

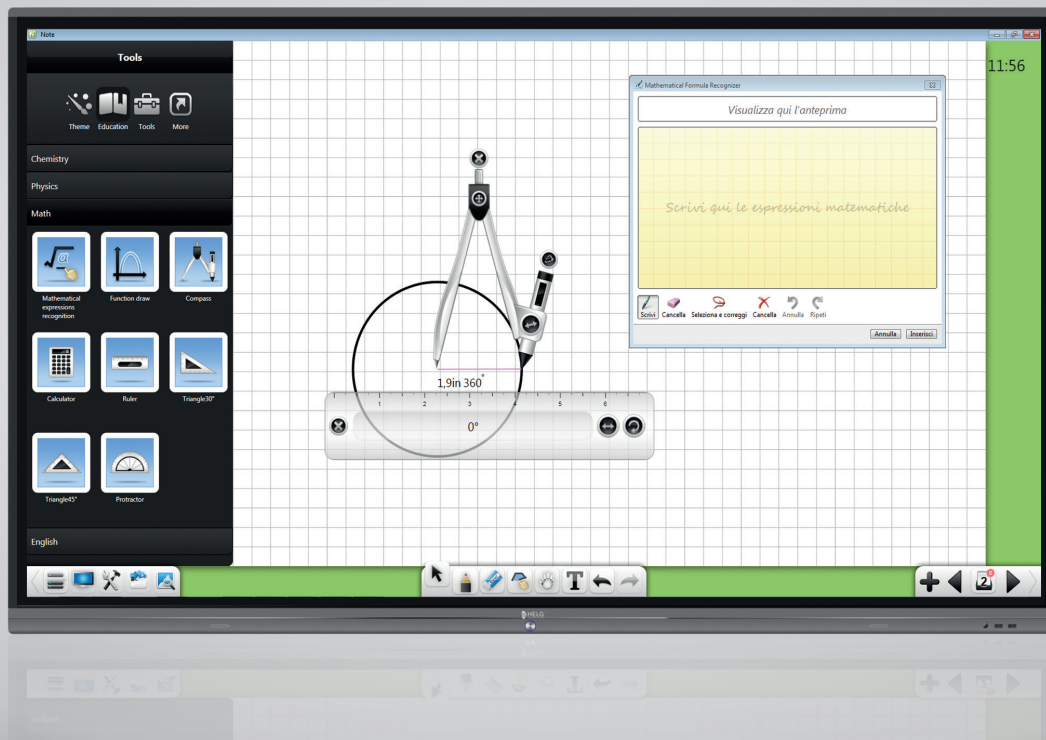


Wide library of tools  
and widgets

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

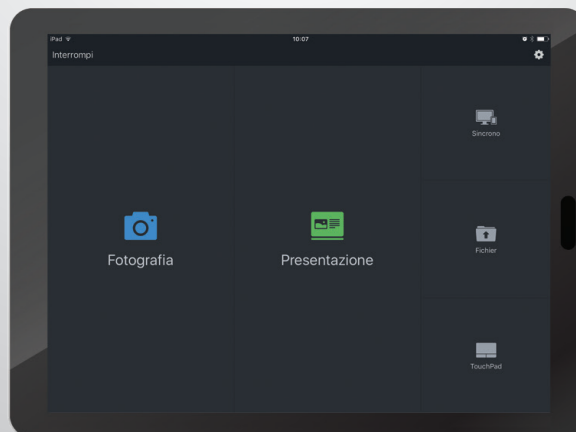
Windows 7, 8, 8.1, 10



*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

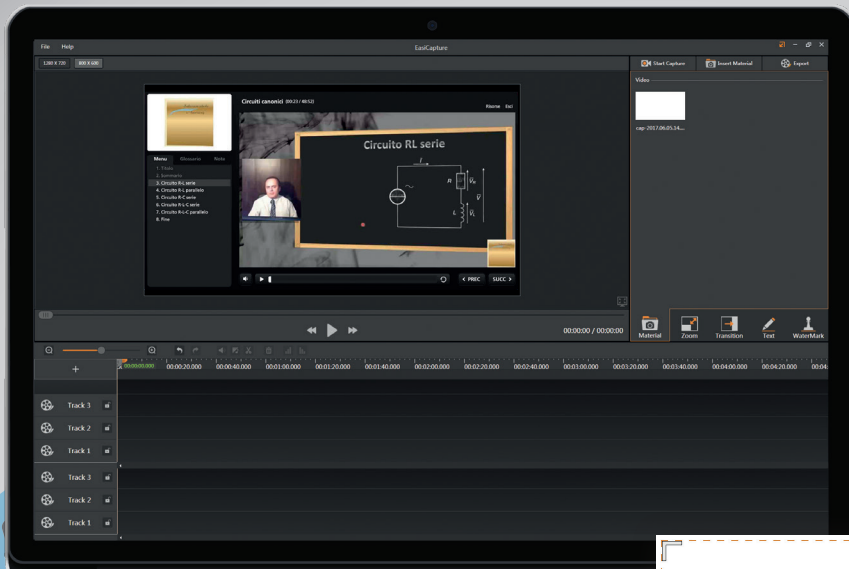
Presentation: control the PowerPoint / Note presentations from the device

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

# VIDEOLESSONS 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

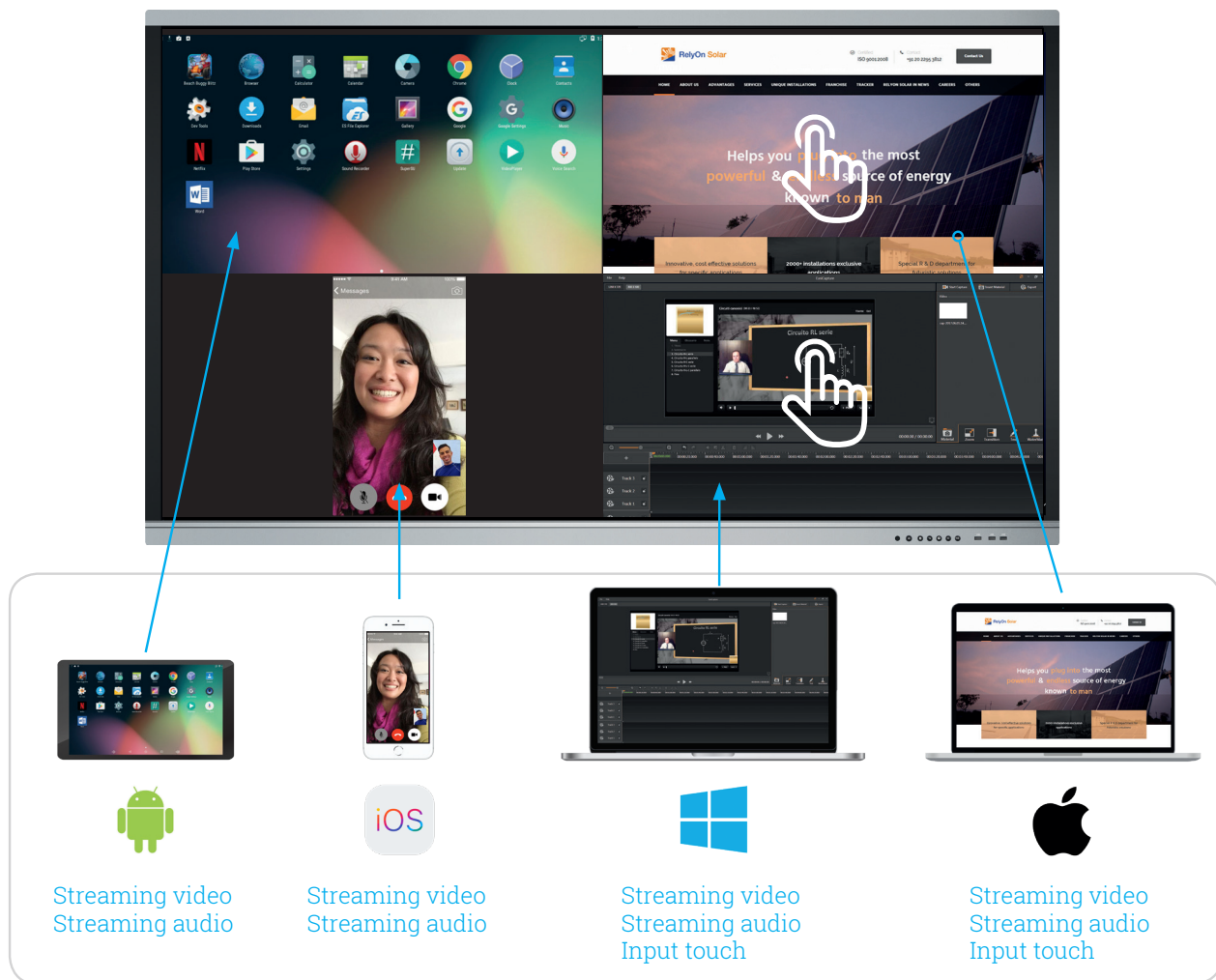
# SCREEN SHARE PRO



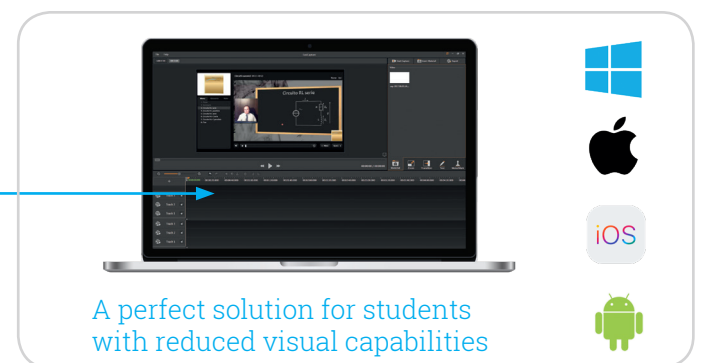
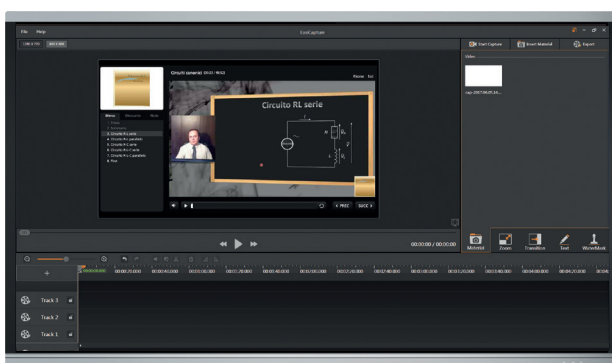
ScreenShare Pro is a mirroring, sharing and multidevice collaboration. The (perpetual) license allows activation the ScreenShare server app on the Android OS native to the monitors interactive and does not limit the number of device clients (Windows, MacOS, Linux, iOS and Android) that can be connected 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.

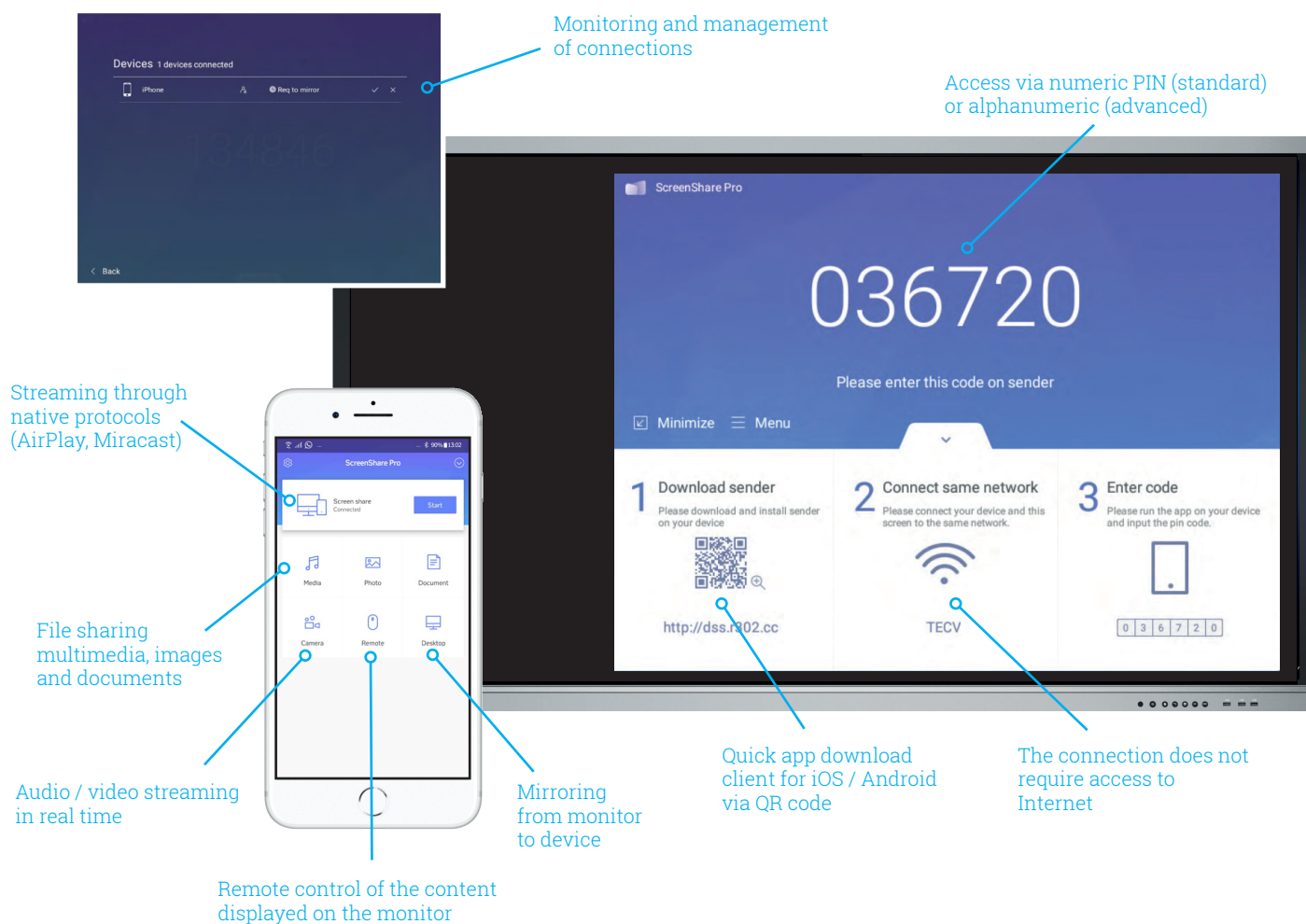
## Mirroring from device to IFP (max 4 devices simultaneously)



## Mirroring from IFP to device (max 1 device)







## 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 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

Helgi Europe  
[education@helgi-solutions.com](mailto:education@helgi-solutions.com)  
[business@helgi-solutions.com](mailto:business@helgi-solutions.com)  
[www.helgi-solutions.com](http://www.helgi-solutions.com)