

TY-SBPURE and SQ1 displays Integrated BYOD Wireless Presentation



NO CABLE. NO DONGLE. NO SET-TOP BOX. JUST PRESENT

BYOD Bring Your Own Device



As BYOD (Bring Your Own Device) becomes increasingly frequent in meetings, lectures and presentations, the Panasonic SQ series with Wolfvision's Cynap Pure SDM solution delivers perfect connectivity with multiple devices

Screen Mirroring Protocols supported



iOS/macOS

Apple
AirPlay



Android

Google
Chromecast



Windows

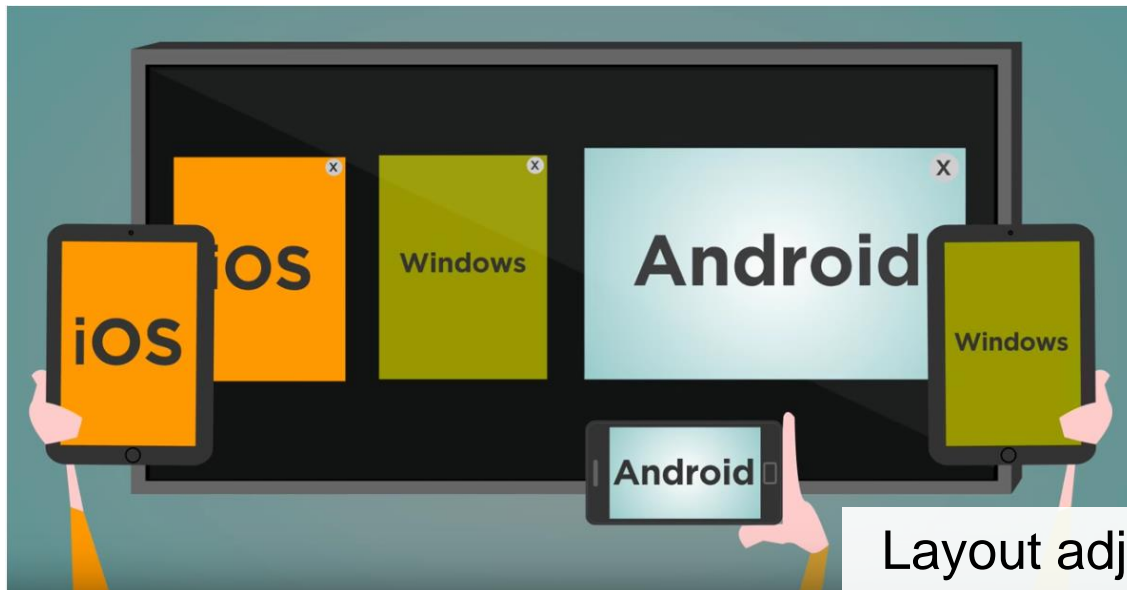
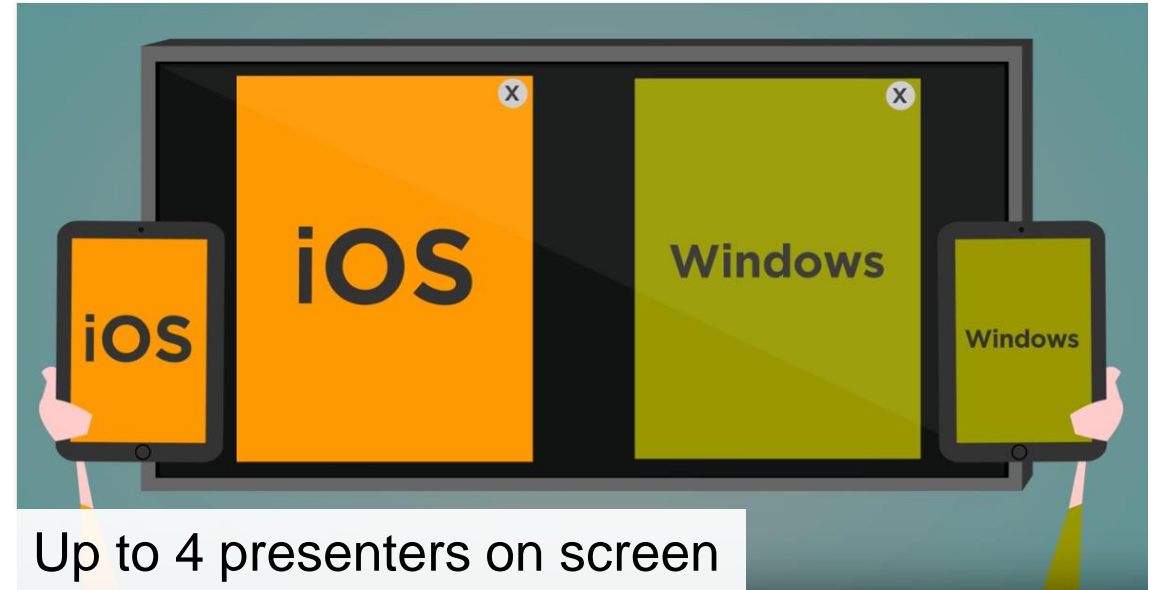
Microsoft
Miracast



vSolution Cast

WolfVision solution
for other OS, ie Win XP

BYOD Connects everybody



Cable-less Presentation

BEFORE



AFTER

No cables, dongles or set-top boxes needed.



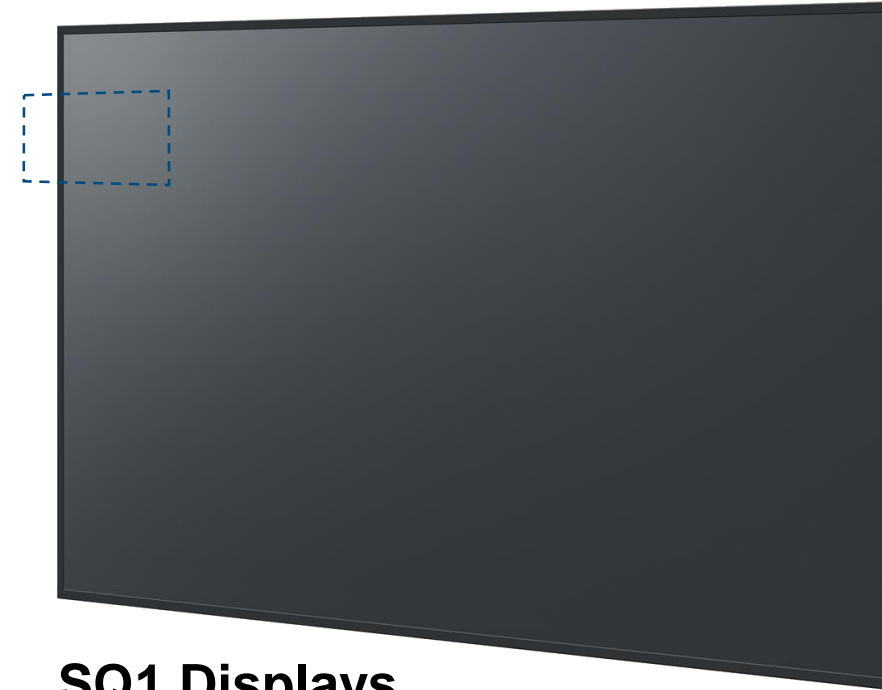
All you have to do is present.

Integrated design - Unified wireless presentation solution



TY-SBPURE

Wolfvision Cynap PURE
on an Intel® Smart Display
Module (SDM) format



SQ1 Displays

The SDM board easily slides inside the slot of the display.
No set-top-box on the table or to fix behind the screen:
Clean design, secure installation.
Installation is quick and straight-forward,
Saves time and efforts of the integrator.

4K Wireless Screen Sharing – integrated solution

Advanced Wireless Presentation System on a small SDM board



Flexible BYOD: Supports Airplay, Miracast, Chromecast



4K UHD output resolution - up to 4 windows on-screen



Simple integration – no apps, no dongles, no cables, no set-top boxes



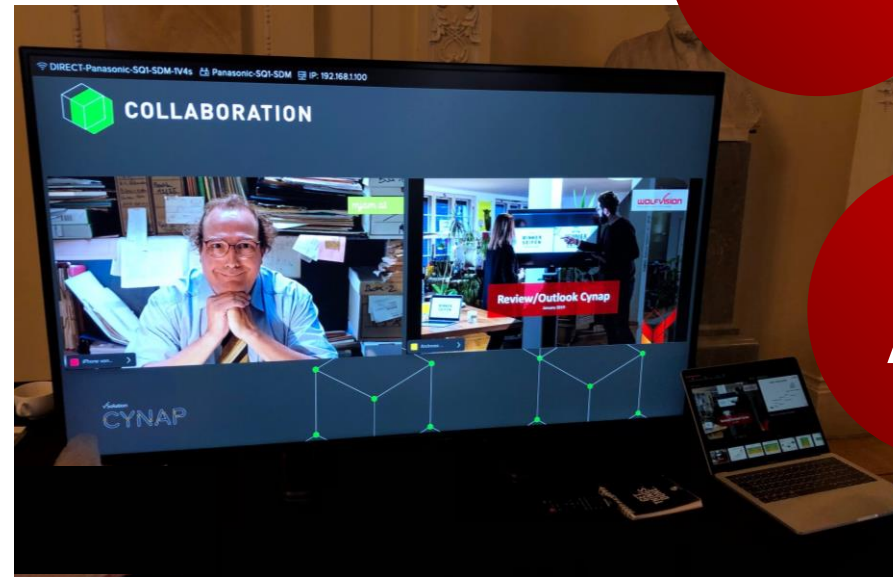
**100% data encryption
Stable and secure system based on Linux Operating System**



**Can be managed and updated remotely using browser-based administration tools.
Free firmware updates
Customizable and prepared API modules**

Simple connection - Start screen sharing

With your mobile device, Scan the QR code to connect to the network and start mirroring your screen



**No
Cables!**

**No
Driver to
install**

**No
Apps!**

**No
Dongles!**

With Windows, select the network by pressing **⊞+K** and start presenting with **⊞+P**

Requires neither software installation nor set-top boxes or dongles.
No cabling, no additional applications, no driver downloads are needed

Panasonic SQ1 Displays with WolfVision's BYOD solution built in.

Maximum collaboration, minimum distraction

The discreet design of Panasonic's SQ1 makes the display ideal for any meeting area.

With sizes ranging from 49" to 98", SQ1 4K displays are equally at home in conference halls or classrooms and huddle spaces.

By removing the need for distracting cables and peripherals, Panasonic helps your audience focus all their attention on the presenter and the presentation.



The Cynap Pure system is also compatible with Panasonic's interactive multi-touch displays. With Touchback control functionality, the presentation can then be controlled from the display.

Model no.	TH-98SQ1	TH-86SQ1	TH-75SQ1	TH-65SQ1	TH-55SQ1	TH-49SQ1
Screen Size	98-inch (2576 mm)	86-inch (2174 mm)	75-inch (1892 mm)	65-inch (1638 mm)	55-inch (1387 mm)	49-inch (1232 mm)
Panel Type	98SQ1 IPS/Edge-LED, Others: IPS/Direct-LED					
Resolution	3840 x 2160					
Brightness (Typ)	500 cd/m2					
Operating time	24/7					



* Multitouch models: SQ1-IR with InfaRed, SQ1-IG with InGlass Technology

Mirroring modes - Typical Set up

Cynap Pure: Mirroring modes

>> Mode: Access Point (AP) of Pure is active



AP Mode

Cynap Pure settings

Network
 LAN: Not Connected
 WLAN (WiFi): Access Point
Mirror
 MS-MICE enable: Off
 MS-MICE interface: ---

Restrictions / Information

>> Mirroring via Miracast does not work if Windows/Android user device is connected with AP (Access Point) of Cynap Pure

RECOMMENDED



AirPlay



Chromecast



Chromecast



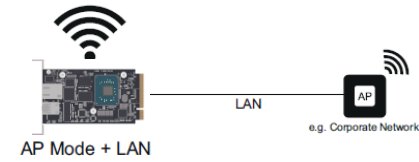
Miracast



Miracast

Cynap Pure: Mirroring modes

>> Mode: Access Point of Pure is active + Cynap Pure is connected with LAN to external AP



AP Mode + LAN

Cynap Pure settings

Network
 LAN: Connected
 WLAN (WiFi): Access Point
Mirror
 MS-MICE enable: Off
 MS-MICE interface: ---

Restrictions / Information

>> Mirroring via Miracast does not work if user device is connected with AP (Access Point) of Cynap Pure

RECOMMENDED



AirPlay



Chromecast



Chromecast



Miracast

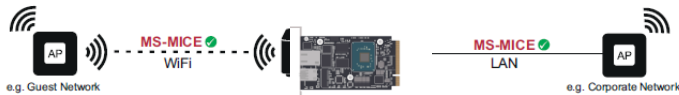


Miracast

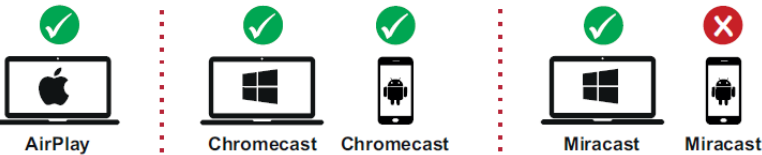
Mirroring modes - Typical Set up

Cynap Pure: Mirroring modes

>> Mode: Cynap Pure is connected via WiFi to external AP ("Infrastructure Mode"), MS-MICE is active & Cynap Pure is connected via LAN to external AP, MS-MICE is active



Infrastructure Mode & LAN
MS-MICE active on WiFi & LAN



Cynap Pure settings

Network
LAN: Connected
WLAN (WiFi): Infrastructure

Mirror
MS-MICE enable: On
MS-MICE interface: All

Restrictions / Information

>> Miracast mirroring does not work for Android and Windows 8.1 devices because MS-MICE is not supported

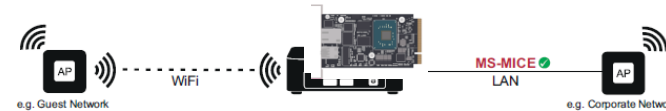
>> Miracast mirroring works for Windows (Win10) devices which are connected to WiFi or LAN AP

>> Windows devices (Win 7 or higher) can use WolfVision vSolution Cast app for mirroring as well

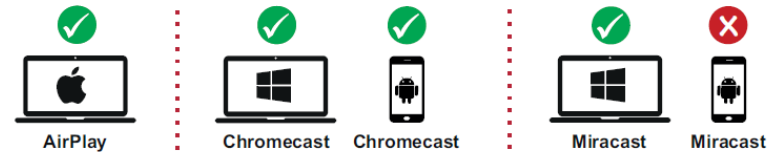
RECOMMENDED

Cynap Pure: Mirroring modes

>> Mode: Cynap Pure is connected via WiFi to external AP ("Infrastructure Mode"), MS-MICE is NOT active & Cynap Pure is connected via LAN to external AP, MS-MICE is active



Infrastructure Mode & LAN
MS-MICE active on LAN



Cynap Pure settings

Network
LAN: Connected
WLAN (WiFi): Infrastructure

Mirror
MS-MICE enable: On
MS-MICE interface: LAN

Restrictions / Information

>> Miracast mirroring does not work for Android and Windows 8.1 devices because MS-MICE is not supported

>> Miracast mirroring works for Windows (Win10) devices which are connected to LAN AP

>> Miracast mirroring does not work for Windows devices which are connected to WiFi AP

>> Windows devices (Win 7 or higher) can use WolfVision vSolution Cast app for mirroring

RECOMMENDED

Technical specifications

TY-SBPURE

FEATURES

Operating system **Linux**

Output resolutions **2160p60, 2160p30, 1080p60, 1080p30**

Wireless device mirroring **Yes**

Supported mirroring protocols **AirPlay, Miracast (Peer-to-Peer and MICE) Chromecast, vSolution Cast**

Supported device operating systems for mirroring **iOS, iPadOS, Android, Windows 8.1 and 10, macOS, Chrome OS**

Supported apps / software **vSolution App, vSolution Cast, vSolution Link Pro**

Touchback functionality **Yes, for Windows devices (Miracast & vSolution Cast)**

Max. no. of devices simultaneously displaying material on-screen **4**

Protected Mode / Open Mode **Yes (via room control system)**

Dynamic on-screen arrangement **Yes**

Customizable background image & screensaver **Yes**

CONNECTIVITY

Video output **HDMI Out x1 TBD**

USB ports **USB 3.0 x2 TBD**

Bluetooth device discovery **Yes**

LAN ports **1x 1 GigE**

WLAN standards **802.11 ac/a/b/g/n (2.4 and 5GHz) up to 867 Mbps**

Network protocols **TCP/IP, HTTP, HTTPS, SNMP/NTP, SSL, SSH, UDP**

IP configuration **Static (IP address, Subnet mask, Default gateway, DNS server),**

Proxy, Interface priority

Security authentication for LAN **IEEE 802.1X**

Security encryption for WLAN **WEP, WPA2, WPA2 Enterprise or IEEE 802.1X**

RMS encryption **Yes**

Audio Via HDMI Out, **USB TBD**

OTHERS

External controlling **Multi-touch display, web interface, room control system, USB keyboard & mouse, optional remote control**

Dimensions (L x W x H) **175 x 100 x 20 mm (Intel SDM-L Standard)**

Power consumption **TBD**

Weight **TBD**

Optional accessories **Optional remote control**

Free firmware updates included **Yes**

Limited warranty **3 years**