

SHARP

EP-CA22

ePaper - 28.6" Class Size



Always on display even when power is turned off



watt power consumption from the panel



Easy to see in bright locations



Looks like paper



Wide viewing angle



No backlight - no blue light



Manually or Automatically switch images

Sharp Advanced Color ePaper (ACeP) Displays

Marking a new era in energy-efficient signage solutions.

Advanced Color ePaper (ACeP) displays are a digital alternative to paper posters, consuming a remarkable minimum of zero watts of power when showing a static image. The Sharp ePaper display features always-on visibility and only draws minimal power when updating the displayed image. These displays are taking a significant step forward toward the carbon-neutral era.

A digital alternative to paper posters, Advanced Color ePaper presents static content that's always on display. Ideal for applications requiring static content with regular updates, such as POS promotions, menu boards, allergen and nutritional information in retail and hospitality environments, timetables, or checkin and gate information in transportation environments.

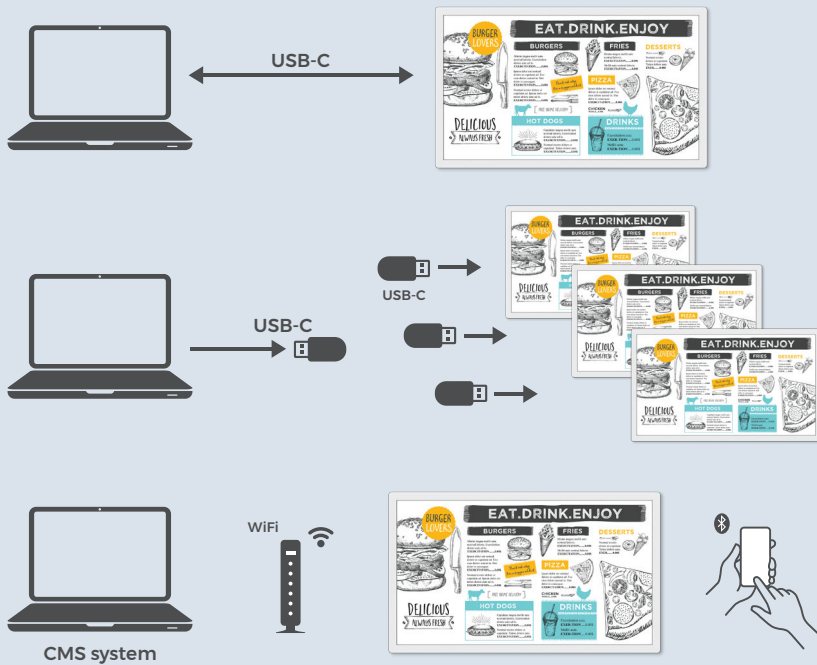
The displays ensure unimpaired readability in both the brightest environments, as well as in semi-outdoor settings, presenting static digital images with a low reflection and paper-like quality. With full-color capability enhanced by ACeP color performance, they deliver outstanding visual performances with excellent contrast, wide viewing angles, and fine resolution for an ergonomic content presentation that looks remarkably like paper. The paper-like appearance is easy on the eyes with no reflections or blue light, underlining Sharp's commitment to sustainability and viewer comfort.

An integrated System on a Chip (SoC) secures an intelligent and future-proof operation, effortlessly delivering content through Content Management System (CMS) partners or offering a user-friendly experience with the simplest content management options via USB-C, WiFi, or Bluetooth.

The Sharp ePaper displays offer quick and flexible installation options. Their slim, lightweight design supports landscape, portrait, face-up, and face-down operation with multiple mounting points, not only enhancing aesthetics but also providing space for an optional battery for versatile power solutions.

Easy Content Management

Simple and convenient configuration and content distribution via PC, USB-C, Wifi or Bluetooth



Easy Setup Using the EP Setting Tool

- Direct PC connection using USB-C
- Transfer a single image or multiple

Easy Rollout

- Create a USB-C drive to speed up the setup of multiple devices
- Include WiFi configuration and/or images

Rewrite the Display Wirelessly

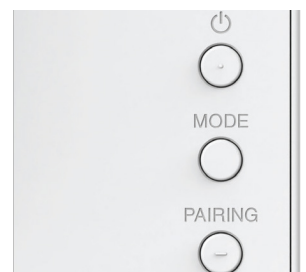
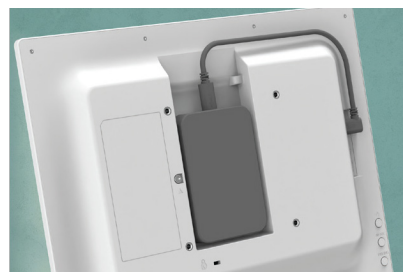
- Connect over WiFi and Bluetooth
- Manage and automate the content from CMS systems

Configuration of Power Adapter

By using a commercially available portable charger, you can use the displays even in places where there is no power supply.

Controls

The Mode button offers the capability to switch between Manually or Automatically switching images. The Pairing button allows for connection to mobile devices to update content to the display.





As Easy to Read as Paper

The ePaper displays are a reflective technology with no backlight and offer nearly 180° viewing angle. The paper-like appearance is easy on the eyes, even when viewed for long periods of time. The displays ensure excellent visibility in both the brightest environments, as well as semi-outdoor settings. Full-color capability is enhanced by ACeP color performance, delivering outstanding visual performance with great contrast and fine resolution for ergonomic presentation of content.

Zero Power Consumption

Playback of static digital images with zero power consumption, electric power is only needed when changing content.

Signage

Perfect for retail applications such as wayfinding and special sales.

Unimpaired Readability

Even under the brightest ambient conditions, low reflective, paper-like presentation of static images.

Easy to Install

The thin lightweight design allows for easy and flexible installation. It also enables installation in locations that could not be achieved with existing displays.

Digital Alternative to Static Signs

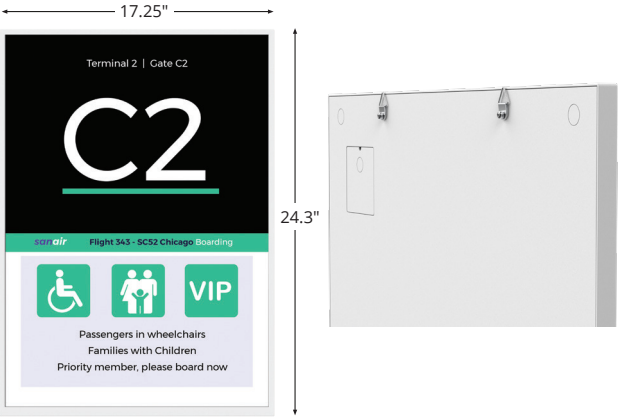
Removes the requirements for print ads while saving the environment. Can also be used as a placard providing a lower TCO.



Specifications

Model		EP-CA22
DISPLAY	Panel Technology	ACeP
	Backlight Type	None
	Viewable Image Size	28.6"
	Aspect Ratio	1.4:1
	Native Resolution	2160x3060
	Pixel Pitch	0.194
	Supported File Formats	*.jpg, *.jpeg, *.bmp, *.png
	Input Connectors	USB-C
	USB	USB
HARDWARE	Processor	Arm® Cortex®-A55 processor (quad core)
	Memory	2GB
	Storage	16GB (Free area: 14GB)
	Wireless LAN	IEEE802.11a/b/g/n/ac compliant
SOFTWARE	OS	Android OS 11
	Pre-installed Applications	e-Signage S Player A1
POWER CONSUMPTION	Max	30 / 1
	On (typical)	0W
	Input Current Max	3A
PHYSICAL SPECIFICATIONS	Dimensions (WxHxD)	618 x 438 x 14.7 mm
	Net Weight	5.1 lbs. / 2.3 kg
	VESA Hole Configuration	200 x 200 mm
	Anti Theft Hole	Yes
ENVIRONMENTAL CONDITIONS	Operating Temperature	0-50°C
	Operating Humidity	20 to 80% Humidity (Non-Condensing)
	Storage Temperature	20-60°C
	Storage Humidity	10% - 90% (non-condensing)
REGULATION		TBD
ADDITIONAL FEATURES		TBD
SHIPS WITH		Power Cord, AC Adapter, Clamp, Operation Manual, Warranty Card, Hanging Hook, Paper Stand, Stand attention instructions

EP-CA22



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